

EEMD-1

①

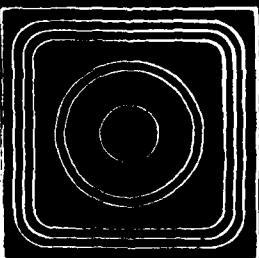
ADA114500

ELECTRONIC EQUIPMENT MAINTAINABILITY DATA

DTIC
ELECTE
MAY 18 1982
H

Fall 1980

RAC



DTIC FILE COPY

Reliability Analysis Center
ROME AIR DEVELOPMENT CENTER

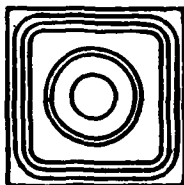
82 05 17 194

THE RELIABILITY ANALYSIS CENTER IS A DOD INFORMATION ANALYSIS CENTER

DISTRIBUTION STATEMENT A
Approved for public release
Distribution Unlimited

THE INFORMATION AND DATA CONTAINED HEREIN HAVE BEEN COMPILED FROM GOVERNMENT AND NONGOVERNMENT TECHNICAL REPORTS AND FROM MATERIAL SUPPLIED BY VARIOUS MANUFACTURERS AND ARE INTENDED TO BE USED FOR REFERENCE PURPOSES. NEITHER THE UNITED STATES GOVERNMENT NOR IIT RESEARCH INSTITUTE WARRANT THE ACCURACY OF THIS INFORMATION AND DATA. THE USER IS FURTHER CAUTIONED THAT THE DATA CONTAINED HEREIN MAY NOT BE USED IN LIEU OF OTHER CONTRACTUALLY CITED REFERENCES AND SPECIFICATIONS.

PUBLICATION OF THIS INFORMATION IS NOT AN EXPRESSION OF THE OPINION OF THE UNITED STATES GOVERNMENT OR OF IIT RESEARCH INSTITUTE AS TO THE QUALITY OR DURABILITY OF ANY PRODUCT MENTIONED HEREIN AND ANY USE FOR ADVERTISING OR PROMOTIONAL PURPOSES OF THIS INFORMATION IN CONJUNCTION WITH THE NAME OF THE UNITED STATES GOVERNMENT OR IIT RESEARCH INSTITUTE WITHOUT WRITTEN PERMISSION IS EXPRESSLY PROHIBITED.



Reliability Analysis Center

A DoD Information Analysis Center

ELECTRONIC EQUIPMENT MAINTAINABILITY DATA

Prepared by:

Norman B. Fuqua
IIT Research Institute

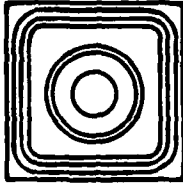
Under Contract to:

Rome Air Development Center
Griffiss AFB, NY 13441



Ordering No. EEMD-1

Approved for Public Release, Distribution Unlimited



The RELIABILITY ANALYSIS CENTER is a DoD Information Analysis Center, operated by IIT Research Institute under contract to the Rome Air Development Center, AFSC.

The Reliability Analysis Center (RAC) is a Department of Defense Information Analysis Center sponsored by the Defense Logistics Agency, managed by the Rome Air Development Center (RADC), and operated at RADC by IIT Research Institute (IITRI). RAC is charged with the collection, analysis and dissemination of reliability information pertaining to parts used in electronic systems. The present scope includes integrated circuits, hybrids, discrete transistors and diodes, microwave devices, optoelectronics, and selected nonelectronic parts employed in military, space and commercial applications.

In addition, a System/Equipment Reliability Corporate Memory (RCM) is also operating under the auspices of the RAC and serves as the focal point for the collection and analysis of all reliability-related information and data on operating and planned military systems and equipment.

Data are collected on a continuous basis from a broad range of sources including testing laboratories, device and equipment manufacturers, government laboratories, and equipment users, both government and nongovernment. Automatic distribution lists, voluntary data submittal, and field failure reporting systems supplement an intensive data solicitation program.

Reliability data documents covering most of the device types mentioned above are available annually from RAC. Also, RAC provides reliability consulting and technical and bibliographic inquiry services. See fully discussed at the end of this document.

**REQUESTS FOR TECHNICAL ASSISTANCE
AND INFORMATION ON AVAILABLE RAC
SERVICES AND PUBLICATIONS MAY BE
DIRECTED TO:**

**Charles E. Ehrenfried
Reliability Analysis Center
Rome Air Development Center (RBRAC)
Griffiss Air Force Base, NY 13441
Telephone: 315/330-4151
Autovon: 587-4151**

**ALL OTHER REQUESTS SHOULD BE
DIRECTED TO:**

**Rome Air Development Center
RBE/Charles F. Bough
Griffiss Air Force Base, NY 13441
Telephone: 315/330-4920
Autovon: 587-4920**

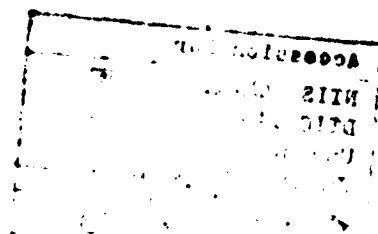
PREFACE

This is the first of a series of maintainability data publications at the system/equipment level. Other volumes prepared by the Reliability Analysis Center consider reliability of digital microcircuits, discrete semiconductors (including optoelectronic and microwave), hybrids, linear and interface devices, memory/LSI devices, and nonelectronic parts.

The data presented in these reliability and maintainability publications are intended to complement such documents as MIL-HDBK-217, MIL-STD-883, MIL-STD-785, MIL-STD-470 and MIL-HDBK-472. The user is cautioned, however, that the data contained herein may not be used in lieu of contractually cited references.

Accession For	
NTIS GRA&I	<input checked="checked" type="checkbox"/>
DTIC TAB	<input type="checkbox"/>
Unannounced	<input type="checkbox"/>
Justification	
By	NTIS
Distribution/	
Availability Codes	
Dist	Avail and/or Special
A	a1

DTIC
COPY
INSPECTED
2



THIS PAGE INTENTIONALLY LEFT BLANK

TABLE OF CONTENTS

	<u>Page</u>
INTRODUCTION	1
SECTION 1: DEFINITIONS OF TERMS AND STATISTICAL METHODS USED IN DATA ANALYSIS	1-1
SECTION 2: EQUIPMENT MAINTAINABILITY SUMMARIZED DATA	2-1
Introduction	2-1
MAINTAINABILITY SUMMARIES	2-3
Maintainability Summary Introduction	2-3
Analysis by Maintainability Parameter	2-3
Comparative Analysis	2-5
Suborganizational Maintenance $MTTR/M_{CT}$ at the Equipment Level by Data Type and Equipment Category (Table 2-1)	2-6
Organizational Maintenance $MTTR/M_{CT}$ at the Equipment Level by Data Type and Equipment Category (Table 2-2)	2-7
Intermediate Maintenance $MTTR/M_{CT}$ at the Equipment Level by Data Type and Equipment Category (Table 2-3)	2-8
Suborganizational Maintenance $MTTR/M_{CT}$ at the Higher Level by Data Type and Equipment Category (Table 2-4)	2-9
Organizational Maintenance $MTTR/M_{CT}$ at the Higher Level by Data Type and Equipment Category (Table 2-5)	2-10
Intermediate Maintenance $MTTR/M_{CT}$ at the Higher Level by Data Type and Equipment Category (Table 2-6)	2-11
Suborganizational Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category (Table 2-7)	2-12
Organizational Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category (Table 2-8)	2-13

TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Intermediate Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category (Table 2-9)	2-14
Suborganizational Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category (Table 2-10)	2-15
Organizational Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category (Table 2-11)	2-16
Intermediate Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category (Table 2-12)	2-17
Mean Preventive Maintenance Time at the Higher Level by Data Type and Equipment Category (Table 2-13)	2-18
Maintenance Manhours per Flight Hour/Operating Hour at the Equipment Level by Data Type and Equipment Category (Table 2-14)	2-19
Maintenance Manhours per Flight Hour/Operating Hour at the Higher Level by Data Type and Equipment Category (Table 2-15)	2-20
Mean Down Time at the Higher Level by Data Type and Equipment Category (Table 2-16)	2-21
Average BIT Effectiveness On-Line/Off-Line by Data Type (Table 2-17)	2-22
Suborganizational MTTR/ M_{CT} Predicted vs Demon- strated (Figure 2-1)	2-23
Suborganizational MTTR/ M_{CT} Specified/Allocated vs Demonstrated (Figure 2-2)	2-24
Suborganizational M_{MAX} 90/95% Predicted vs Demonstrated (Figure 2-3)	2-25
Suborganizational M_{MAX} 90/95% Specified/Allocated vs Demonstrated (Figure 2-4)	2-26
Organizational MTTR/ M_{CT} Predicted vs Demonstrated (Figure 2-5)	2-27
Organizational MTTR/ M_{CT} Specified/Allocated vs Demonstrated (Figure 2-6)	2-28

TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
Organizational M _{MAX} 90/95% Predicted vs Demonstrated (Figure 2-7)	2-29
Organizational M _{MAX} 90/95% Specified/Allocated vs Demonstrated (Figure 2-8)	2-30
Maintainability Data Distribution by Application (Table 2-18)	2-31
Maintainability Data Distribution by Data Type (Table 2-19)	2-32
Maintainability Data Distribution by Parameter (Table 2-20)	2-33
 SECTION 3: EQUIPMENT MAINTAINABILITY DATA-DETAILED LISTINGS: MAINTAINABILITY COMPARISON DATA BY EQUIPMENT CATEGORY	 3-1
Introduction	3-1
Usage Guide	3-3
Maintainability Comparison Data	3-6
 SECTION 4: EQUIPMENT MAINTAINABILITY DATA-DETAILED LISTINGS: MAINTAINABILITY DATA BY EQUIPMENT CATEGORY AND DATA TYPE	 4-1
Introduction	4-1
Usage Guide	4-3
Maintainability Data by Category and Data Type	4-6

TABLE OF CONTENTS (Cont'd)

	<u>Page</u>
SECTION 5: EQUIPMENT DATA PROGRAM/CONTRACT CHARACTERIZATION DATE	5-1
Introduction	5-1
Usage Guide	5-3
Program/Contract Characterization Data	5-11
SECTION 6: EQUIPMENT DATA/EQUIPMENT CHARACTERIZATION DATA	6-1
Introduction	6-1
Usage Guide	6-3
Equipment Characterization Data	6-14
APPENDIX: Additional RAC Services	A-1

LIST OF FIGURES

	<u>Page</u>
Figure 2-1: Suborganizational $MTTR/M_{CT}$ Predicted vs Demonstrated	2-23
Figure 2-2: Suborganizational $MTTR/M_{CT}$ Specified/ Allocated vs Demonstrated	2-24
Figure 2-3: Suborganizational M_{MAX} 90%/95% Predicted vs Demonstrated	2-25
Figure 2-4: Suborganizational M_{MAX} 90%/95% Specified/Allocated vs Demonstrated	2-26
Figure 2-5: Organizational $MTTR/M_{CT}$ Predicted vs Demonstrated	2-27
Figure 2-6: Organizational $MTTR/M_{CT}$ Specified/ Allocated vs Demonstrated	2-28
Figure 2-7: Organizational M_{MAX} 90%/95% Predicted vs Demonstrated	2-29
Figure 2-8: Organizational M_{MAX} 90%/95% Specified/ Allocated vs Demonstrated	2-30

THIS PAGE INTENTIONALLY LEFT BLANK

LIST OF TABLES

	<u>Page</u>
Table 2-1: Suborganizational Maintenance $MTTR/M_{CT}$ at the Equipment Level by Data Type and Equipment Category	2-6
Table 2-2: Organizational Maintenance $MTTR/M_{CT}$ at the Equipment Level by Data Type and Equipment Category	2-7
Table 2-3: Intermediate Maintenance $MTTR/M_{CT}$ at the Equipment Level by Data Type and Equipment Category	2-8
Table 2-4: Suborganizational Maintenance $MTTR/M_{CT}$ at the Higher Level by Data Type and Equipment Category	2-9
Table 2-5: Organizational Maintenance $MTTR/M_{CT}$ at the Higher Level by Data Type and Equipment Category	2-10
Table 2-6: Intermediate Maintenance $MTTR/M_{CT}$ at the Higher Level by Data Type and Equipment Category	2-11
Table 2-7: Suborganizational Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category	2-12
Table 2-8: Organizational Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category	2-13
Table 2-9: Intermediate Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category	2-14
Table 2-10: Suborganizational Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category	2-15
Table 2-11: Organizational Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category	2-16
Table 2-12: Intermediate Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category	2-17
Table 2-13: Mean Preventive Maintenance Time at the Higher Level by Data Type and Equipment Category	2-18
Table 2-14: Maintenance Manhours per Flight Hour/Operating Hour at the Equipment Level by Data Type and Equipment Category	2-19

LIST OF TABLES (Cont'd)

	<u>Page</u>
Table 2-15: Maintenance Manhours per Flight Hour/Operating Hour at the Higher Level by Data Type and Equipment Category	2-20
Table 2-16: Mean Down Time at the Higher Level by Data Type and Equipment Category	2-21
Table 2-17: Average BIT Effectiveness On-Line/Off-Line by Data Type	2-22
Table 2-18: Maintainability Data Distribution by Application	2-31
Table 2-19: Maintainability Data Distribution by Data Type	2-32
Table 2-20: Maintainability Data Distribution by Parameter	2-33
Table 6-1: Design Approach	6-11
Table 6-2: Technology	6-12
Table 6-3: Major Parameters	6-13

INTRODUCTION

This equipment level maintainability compendium provides maintenance and repair time data on military electronic equipments at the subsystem, set, group and unit levels. Due to the possible sensitivity of the numerics presented in the publication, the identification of the equipment has been masked. Each equipment has been assigned an Equipment Identification number (EQUIP ID). This EQUIP ID is unique to an equipment, and it is used consistently throughout the publication.

Section 1 lists the definition of terms and the statistical methods used in the data analysis. Section 2 presents summarizations of the detailed maintainability data presented in Sections 3-4. Sections 3 and 4 present detailed listings of maintainability data in two different ways to assist the analyst in his search for data. In Section 3 the data are sorted by Category, Equip-ID and Data Type. This grouping permits the analyst to trace an equipment's maintainability characteristics through its life cycle. In Section 4 the data are sorted by Category, Data Type, and Equip ID. This grouping allows the analyst to make comparisons between equipments at various points in their life cycle. Section 5 is a detailed listing of program and contract related data. Section 6 presents technical characterization data on the equipment.

All data for this publication have been collected from industry and government agencies by the Reliability Analysis Center. Any additional information concerning this publication may be obtained by contacting the RAC directly.

THIS PAGE INTENTIONALLY LEFT BLANK

SECTION 1

DEFINITION OF TERMS AND STATISTICAL METHODS
USED IN THE DATA ANALYSIS

SECTION 1

DEFINITION OF TERMS AND STATISTICAL METHODS

USED IN THE DATA ANALYSIS

EQUIPMENT ID: Each equipment in the detailed listing is assigned a number for easy reference. These numbers are assigned sequentially as the data are entered into the computer. The number is unique for an equipment and consistent throughout the publication.

DATA ENTRY: One line or item of maintainability data, as described in the Usage Guides of Sections 3 and 4.

NUMBER OF ENTRIES: The quantity of maintainability data items listed under an equipment category, equipment type, or data type.

CATEGORY: Denotes the general functional purpose of the overall equipment. It is usually defined at the Set equipment level. The categories included in this document are:

Radar

Communications

Computer

Electronic Counter Measures/Electronic Warfare

Controls and Display

Guidance and Navigation

Software

Weapons

Test Equipment

EQUIPMENT TYPE: Denotes the specific function of the detail equipment. It is usually defined at the Group or Unit equipment level. The equipment types included in this document are:

Power Supply	Multiplexer/Demultiplexer
Transmitter	Interconnection/Distribution
Receiver	Converter D/A or A/D
Transceiver	Filter
Antenna	Inertial Reference
Amplifier, Audio	Stellar Reference
Amplifier, RF	Frequency/Timing Generator
Amplifier, Video	Cooling/Pressurizing
Computer	Test Circuitry
Memory	Alarm
I/O Device	Signal/Data Processor
Indicator/Control	Miscellaneous
Modulator/Demodulator	Transducer
Coder/Decoder	

DATA TYPE: The source of the data described. The data types are:

Specified or Apportioned
Predicted
Demonstrated
Flight or Field Test
Operational
Other

PROGRAM PHASE: The phase of the equipment life cycle to which this data applies. The program phases are:

Development
Production
Operational

MAINTAINABILITY: The ability of an item, under stated conditions of use, to be retained in or restored to a state in which it can perform its required functions or to a specified condition, when maintenance is performed under stated conditions and using prescribed procedures and resources. Maintainability may, depending on the particular analysis situation, be stated by one or several maintainability characteristics.

MAINTAINABILITY PARAMETERS: Due to the variety of different characteristics addressed by maintainability, we have selected seven major maintainability parameters to adequately cover the scope of maintainability efforts. These seven major maintainability parameters are defined as follows:

a) Mean-Time-To-Repair (MTTR):

The statistical mean of the distribution of times to repair.

b) Mean Corrective Maintenance Time (M_{CT}):

The mean time required to complete a corrective maintenance action, i.e., the total maintenance downtime divided by total corrective maintenance actions, over a given period of time.

c) Maximum Corrective Maintenance Time (M_{MAX}):

The maximum time required to complete a specified percentage of all corrective maintenance actions.

Two different repair percentages, 90 and 95 percent, are commonly used relative to M_{MAX} . Therefore, our database distinguishes between:

- 1) M_{MAX} (95%) of all corrective maintenance actions.
- 2) M_{MAX} (90%) of all corrective maintenance actions.

d) Mean Preventive Maintenance Time (M_{PT}):

The mean (or average) equipment downtime required to perform scheduled preventive maintenance on the item, excluding any preventive maintenance time expended on the equipment during operation and excluding administrative and logistic downtime.

e) Maintenance Manhours per Flight Hour or per Operating Hour (MMH/
FH/Oper Hr):

The total number of maintenance manhours divided by the total number of aircraft flight hours or the total equipment operating hours, whichever is appropriate.

f) Mean Down Time (MDT):

The mean number of hours during which the item is not in condition to perform its intended function; includes active maintenance (preventive and corrective), supply downtime due to unavailability of needed items, and waiting and administrative time.

g) Built-In-Test Effectiveness (BIT Effect):

This is a measure of the effectiveness of the BIT capability incorporated within the equipment. It addresses both fault detection and fault isolation. The fault detection is concerned with both the BIT's ability to identify faults when they occur and also its ability to prevent indicating failures when they indeed do not exist; i.e., false alarms.

Fault isolation is defined in two tiers allowing progressively higher percentages of faults to be isolated to progressively larger groups of equipment items. For example: a) 50 percent of all faults isolated to 1 Line Replacement Unit (LRU); b) 95 percent of all faults isolated to 3 or less LRUs.

The BIT Effectiveness addresses both automated and non-automated BIT. Therefore, the database makes the following additional distinction:

1) BIT ON-LINE/AUTO:

On-Line or Automatic BIT refers to that capability available without operator intervention or assistance. A periodic automatically initiated, self-test mode would be an example of this capability.

2) BIT OFF-LINE/MANUAL:

Off-Line, Manual or Initiated BIT refers to that capability which may be available through the intervention or assistance of the operator. Manually switching the equipment into a self test operating mode or initiating additional diagnostic tape controlled sequences would be examples of off-line/manual capability.

FAULT DETECTION: The capability of the BIT features to detect and indicate a failure or failures within the equipment itself and/or associated equipments.

FAULT ISOLATION: The capability of the BIT features to subsequently locate and identify the specific hardware item responsible for the detected malfunction.

MAINTENANCE LEVELS: Divisions of maintenance, based on difficulty and requisite technical skill, in which jobs are allocated to organizations in accordance with the availability of personnel, tools, supplies, and time within the organization. Maintenance levels include suborganizational, organizational, intermediate, and depot. Within this report we address three maintenance levels:

a) Suborganizational Maintenance

This is emergency type maintenance performed on the equipment by the operator himself during the mission. For example: in-flight maintenance where possible.

b) Organizational Maintenance

This embraces the maintenance performed by the using organization on its own equipment.

c) Intermediate Maintenance

This is performed by designated maintenance activities in direct support of using organizations.

SAMPLE SIZE: The number of fault data samples from the test or the time period for which the numeric is calculated.

STATISTICAL METHODS

$$\text{Population Mean} = \frac{1}{\sum_i N_i} \sum_i N_i Y_i$$

where:

N_i = Sample Size used to calculate the specific maintainability numeric i

Y_i = Maintainability numeric i

$$\text{Population Standard Deviation (STD. Dev.)} = \left[\sum_i N_i (Y_i - \text{Population Mean})^2 \right]^{1/2}$$

MAINTAINABILITY PARAMETERS USED IN THIS REPORT: Given these various permutations of requirements, the database actually recognizes seventeen different maintainability parameters. Not every parameter is listed for each System/Subsystem/Set/Group/Unit but only those parameters which are applicable to that item. Thus the seventeen different Maintainability Parameters delineated in this report are:

- 1) MTTR SUBORGAN: Suborganizational MTTR
- 2) MTTR ORGAN: Organizational MTTR
- 3) MTTR INTER: Intermediate MTTR
- 4) M_{CT} SUBORGAN: Suborganizational Mean Corrective Time
- 5) M_{CT} ORGAN: Organizational Mean Corrective Time
- 6) M_{CT} INTER: Intermediate Mean Corrective Time
- 7) M_{MAX} (95%) SUBORGAN: Suborganizational Maximum Corrective Maintenance Time for 95 percent of all corrective maintenance actions
- 8) M_{MAX} (95%) ORGAN: Organizational Maximum Corrective Maintenance Time for 95 percent of all corrective maintenance actions
- 9) M_{MAX} (95%) INTER: Intermediate Maximum Corrective Maintenance Time for 95 percent of all corrective maintenance actions
- 10) M_{MAX} (90%) SUBORGAN: Suborganizational Maximum Corrective Maintenance Time for 90 percent of all corrective maintenance actions
- 11) M_{MAX} (90%) ORGAN: Organizational Maximum Corrective Maintenance Time for 90 percent of all corrective maintenance actions
- 12) M_{MAX} (90%) INTER: Intermediate Maximum Corrective Maintenance Time or 90 percent of all corrective maintenance actions
- 13) M_{PT} : Mean Preventive Maintenance Time
- 14) MMH/FH/OPER HR: Maintenance Manhours per Flight Hour or per Equipment Operating Hour
- 15) MEAN DOWN TIME: Mean Down Time
- 16) BIT ON-LINE/AUTO: Built-in-Test Effectiveness On-Line or Automated
- 17) BIT OFF-LINE/MANUAL: Built-in-Test Effectiveness Off-Line Manual or Initiated

THIS PAGE INTENTIONALLY LEFT BLANK

EQUIPMENT MAINTAINABILITY DATA

SECTION 2

MAINTAINABILITY SUMMARIZED DATA

EQUIPMENT SUMMARIZED DATA

The analyses and summaries of this section have been developed to give the reader a concise overview of various trends in the data. Every attempt has been made to present summaries which will be timely and meaningful to program managers and reliability and maintainability analysts.

This section includes summarized maintainability data.

THIS PAGE INTENTIONALLY LEFT BLANK

MAINTAINABILITY SUMMARIES

Introduction

The summarized maintainability data are presented to provide more meaningful insight into the different kinds of maintainability data that are available and the subtle distinctions between the various different maintainability parameters and maintainability data sources.

Analysis by Maintainability Parameter

Tables 1 through 20 present merged data summaries of the different maintainability parameters. The first six tables address MTTR and/or M_{CT} . Summaries are presented both at the equipment black box level and at the higher (system, subsystem, set, etc.) level.

Equipment or black box level is defined as any item which contains an equipment type (i.e., power supply, RF amplifiers, etc.) designator. Higher level is defined as any item which does not contain an equipment type designator. It is usually a group of items composed of a number of different equipment types and designated as a group, set, subsystem or system. The data are delineated by data source, i.e., specified/allocated, predicted, demonstrated, field test or field operation. The data entries for a given data type are further delineated by equipment category, i.e., radar, communications, etc.

The next six tables address M_{MAX} 90/95%. Summaries are presented at both the equipment black box level and at the higher level. The data are identified by data source and by equipment category also.

Table 13 addresses the Mean Preventive Maintenance Time at the higher level. The data are identified by data source and by equipment category also.

Tables 14 and 15 address maintenance manhours per flight hour or per operating hour. Summaries are presented both at the equipment black box level and at the higher level. The data are identified by data source and by equipment category.

Mean Down Time at the higher level is addressed by Table 16. At present, the only Mean Down Time Data is based on field operation.

Table 17 addresses the effectiveness of the built-in-test capability. It identifies the probability of fault detection and the probability of fault isolation both to a single module and to a group of three or less modules. The data are identified by data source.

Tables 18, 19 and 20 portray the distribution of the maintainability data presented in this databook.

Table 18 shows the data distribution by the application environment in which the equipment is to be utilized. As can be seen at present the vast majority of the maintainability data entries are for Airborne Equipment.

Table 19 shows the data distribution by the type of data recorded, such as specified or allocated, predicted, demonstrated, field test, field operation, etc. Approximately one half of the maintainability data at present are predicted values while an additional one fourth of the data entries are specified or allocated values.

Table 20 shows the data distribution by the specific parameter recorded, such as $MTTR/M_{CT}$, M_{MAX} , $MMH/FH/OPHR$, BIT Effectiveness, etc. The $MTTR/M_{CT}$ and M_{MAX} are further delineated by the different maintenance levels such as suborganizational, organizational and intermediate. At present organizational level $MTTR/M_{CT}$ data is the predominate parameter recorded with significant numbers of organizational M_{MAX} and $MMH/FH/OPHR$ data entries also.

Comparative Analysis

Figures 1 through 8 are scatter diagrams intended to present comparisons of a specific maintainability parameter for identical equipment from different data sources. The maintainability parameter utilized and the applicable data sources compared are:

- Fig. 1 Suborganizational $MTTR/M_{CT}$ predicted vs demonstrated
- Fig. 2 Suborganizational $MTTR/M_{CT}$ specified/allocated vs demonstrated
- Fig. 3 Suborganizational M_{MAX} 90/95% predicted vs demonstrated
- Fig. 4 Suborganizational M_{MAX} 90/95% specified/allocated vs demonstrated
- Fig. 5 Organizational $MTTR/M_{CT}$ predicted vs demonstrated
- Fig. 6 Organizational $MTTR/M_{CT}$ specified/allocated vs demonstrated
- Fig. 7 Organizational M_{MAX} 90/95% predicted vs demonstrated
- Fig. 8 Organizational M_{MAX} 90/95% specified/allocated vs demonstrated

In each case the data point is indicated by the specific Equipment ID number. In a few cases duplicate data points with the same ID number indicate the existence of duplicate tests or predictions.

TABLE 2-1

Suborganizational Maintenance MTTR/MCT at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mtrr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	3	0.243	0.010
Radar	0		
Computer	1	0.230	0.000
Display	1	0.250	0.000
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.250	0.000
Predicted	12	0.215	0.055
Radar	10	0.222	0.053
Computer	1	0.130	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.230	0.000
Demonstrated	1	0.190	0.000
Radar	0		
Computer	1	0.190	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-2

Organizational Maintenance MTTR/MCT at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mtrr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	50	0.974	0.893
Radar	11	0.876	0.680
Computer	16	0.796	0.468
Display	5	0.632	0.157
Electronic Warfare	0		
Guidance and Navigation	8	1.188	0.275
Test Equipment	1	5.000	0.000
Communications	9	0.967	1.264
Predicted	96	0.886	1.863
Radar	30	1.473	1.313
Computer	19	0.371	0.669
Display	8	0.384	0.120
Electronic Warfare	0		
Guidance and Navigation	10	0.630	0.206
Test Equipment	1	2.000	0.000
Communications	28	1.079	0.903
Demonstrated	7	1.137	8.977
Radar	0		
Computer	1	0.270	0.000
Display	1	0.400	0.000
Electronic Warfare	1	1.850	0.000
Guidance and Navigation	0		
Test Equipment	0		
Communications	4	6.685	8.785
Field Test	20	0.317	0.292
Radar	19	0.241	0.234
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.680	0.000
Field Operation	14	2.768	4.545
Radar	4	0.848	0.269
Computer	1	3.700	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	9	0.122	0.204

TABLE 2-3

Intermediate Maintenance MTTR/MCT at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mtrr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	3	0.667	0.289
Radar	1	1.000	0.000
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	0.500	0.000
Test Equipment	0		
Communications	0		
Predicted	8	1.279	1.514
Radar	1	0.760	0.000
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	7	1.353	1.620
Test Equipment	0		
Communications	0		
Demonstrated	2	1.200	0.000
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	1.200	0.000
Test Equipment	0		
Communications	0		
Field Test	19	0.278	0.379
Radar	19	0.279	0.379
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	12	0.504	0.615
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	12	0.504	0.615

TABLE 2-4

Suborganizational Maintenance MTTR/MCT at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mtrr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	6	0.240	0.022
Radar	2	0.255	0.000
Computer	2	0.215	0.020
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	2	0.250	0.000
Predicted	8	0.228	0.070
Radar	3	0.213	0.046
Computer	2	0.155	0.035
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	3	0.290	0.052
Demonstrated	5	0.203	0.437
Radar	2	0.022	0.100
Computer	1	0.210	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	2	0.236	0.153
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-5

Organizational Maintenance MTTR/MCT at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mttr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	37	1.148	1.052
Radar	7	0.987	0.423
Computer	11	1.162	0.866
Display	1	0.500	0.000
Electronic Warfare	0		
Guidance and Navigation	4	0.658	0.378
Test Equipment	4	3.000	1.354
Communications	10	1.352	0.750
Predicted	38	0.979	0.722
Radar	8	1.149	0.457
Computer	9	1.040	1.145
Display	1	0.760	0.000
Electronic Warfare	0		
Guidance and Navigation	5	0.574	0.318
Test Equipment	4	1.705	0.491
Communications	11	0.744	0.486
Demonstrated	18	0.657	3.246
Radar	9	0.765	4.072
Computer	5	0.325	0.491
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	0.330	0.000
Test Equipment	0		
Communications	2	0.665	2.625
Field Test	1	1.840	0.000
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	1.840	0.000
Test Equipment	0		
Communications	0		
Field Operation	4	0.798	2.021
Radar	1	1.500	0.000
Computer	1	3.800	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	2	0.057	0.000

TABLE 2-6

Intermediate Maintenance MTTR/MCT at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population Mtrr/M _{CT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Predicted	2	0.809	0.271
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	1.000	0.000
Test Equipment	0		
Communications	1	0.617	0.000
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	4	0.391	0.552
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	4	0.391	0.552

TABLE 2-7

Suborganizational Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population M_{MAX} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	3	0.500	0.000
Radar	0		
Computer	1	0.500	0.000
Display	1	0.500	0.000
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.500	0.000
Predicted	12	0.255	0.091
Radar	10	0.270	0.091
Computer	1	0.130	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.230	0.000
Demonstrated	1	0.200	0.000
Radar	0		
Computer	1	0.200	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-8

Organizational Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population M_{MAX} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	25	2.018	1.550
Radar	0		
Computer	15	1.837	0.777
Display	5	1.652	0.407
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	5	2.928	3.287
Predicted	67	1.713	2.128
Radar	29	3.064	2.589
Computer	14	0.344	0.186
Display	8	0.563	0.295
Electronic Warfare	0		
Guidance and Navigation	1	2.000	0.000
Test Equipment	0		
Communications	15	0.973	0.930
Demonstrated	3	0.528	0.525
Radar	0		
Computer	1	0.450	0.000
Display	1	0.600	0.000
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	1	0.600	0.000
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-9

Intermediate Maintenance M_{MAX} at the Equipment Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population M_{MAX} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	3	2.000	0.866
Radar	1	3.000	0.000
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	1.500	0.000
Test Equipment	0		
Communications	0		
Predicted	3	1.832	2.311
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	3	1.832	2.311
Test Equipment	0		
Communications	0		
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-10

Suborganizational Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population M_{MAX} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	6	0.500	0.000
Radar	2	0.500	0.000
Computer	2	0.500	0.000
Display	2	0.500	0.000
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Predicted	8	0.266	0.087
Radar	3	0.280	0.078
Computer	2	0.170	0.057
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	3	0.317	0.076
Demonstrated	5	0.265	0.459
Radar	2	0.080	0.246
Computer	1	0.220	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	2	0.300	0.000
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-11

Organizational Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population M_{MAX} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	23	3.113	1.785
Radar	4	2.989	0.489
Computer	6	2.533	1.955
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	3.200	0.000
Test Equipment	2	6.000	0.000
Communications	10	3.287	1.770
Predicted	26	1.537	1.011
Radar	7	2.371	0.859
Computer	4	0.600	0.099
Display	0		
Electronic Warfare	0		
Guidance and Navigation	3	1.078	0.890
Test Equipment	2	2.950	1.061
Communications	10	1.183	0.676
Demonstrated	15	0.958	5.332
Radar	7	1.039	6.790
Computer	5	0.826	4.753
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	0.520	0.000
Test Equipment	0		
Communications	2	0.857	3.433
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-12

Intermediate Maintenance M_{MAX} at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population M_{MAX} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Predicted	2	1.308	0.979
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	1.308	0.979
Test Equipment	0		
Communications	0		
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-13

Mean Preventive Time at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population M _{PT} (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	2	1.150	0.212
Radar	1	1.300	0.000
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	1.000	0.000
Test Equipment	0		
Communications	0		
Predicted	1	0.237	0.000
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	1	0.237	0.000
Test Equipment	0		
Communications	0		
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-14

Maintenance Manhours per Flight Hour/Operating Hour at the Equipment Level
by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population MMH/FH (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	25	0.033	0.050
Radar	0		
Computer	11	0.018	0.017
Display	5	0.071	0.072
Electronic Warfare	0		
Guidance and Navigation	8	0.032	0.062
Test Equipment	0		
Communications	1	0.008	0.000
Predicted	25	0.021	0.025
Radar	0		
Computer	11	0.017	0.017
Display	5	0.044	0.042
Electronic Warfare	0		
Guidance and Navigation	8	0.013	0.014
Test Equipment	0		
Communications	1	0.004	0.000
Demonstrated	1	0.900	0.000
Radar	0		
Computer	1	0.900	0.000
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	68	7.537	18.787
Radar	29	4.565	6.299
Computer	5	2.024	10.332
Display	12	9.043	14.749
Electronic Warfare	5	1.911	0.719
Guidance and Navigation	12	10.148	32.090
Test Equipment	0		
Communications	5	13.554	20.308
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

TABLE 2-15

Maintenance Manhours per Flight Hour/Operating Hour at the Higher Level by Data Type and Equipment Category.

Date Type/Category	No. of Entries	Population MMH/FH (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	18	0.755	1.565
Radar	2	4.700	2.121
Computer	2	0.142	0.069
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	0.139	0.186
Test Equipment	2	0.100	0.000
Communications	10	0.343	0.459
Predicted	18	0.299	0.572
Radar	2	1.785	0.346
Computer	2	0.106	0.096
Display	0		
Electronic Warfare	0		
Guidance and Navigation	2	0.058	0.071
Test Equipment	2	0.035	0.020
Communications	10	0.141	0.218
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	14	6.647	21.904
Radar	1	5.400	0.000
Computer	2	2.025	1.837
Display	2	3.850	0.520
Electronic Warfare	2	1.877	1.372
Guidance and Navigation	3	4.977	28.460
Test Equipment	1	0.183	0.000
Communications	3	14.703	24.617
Field Operation	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

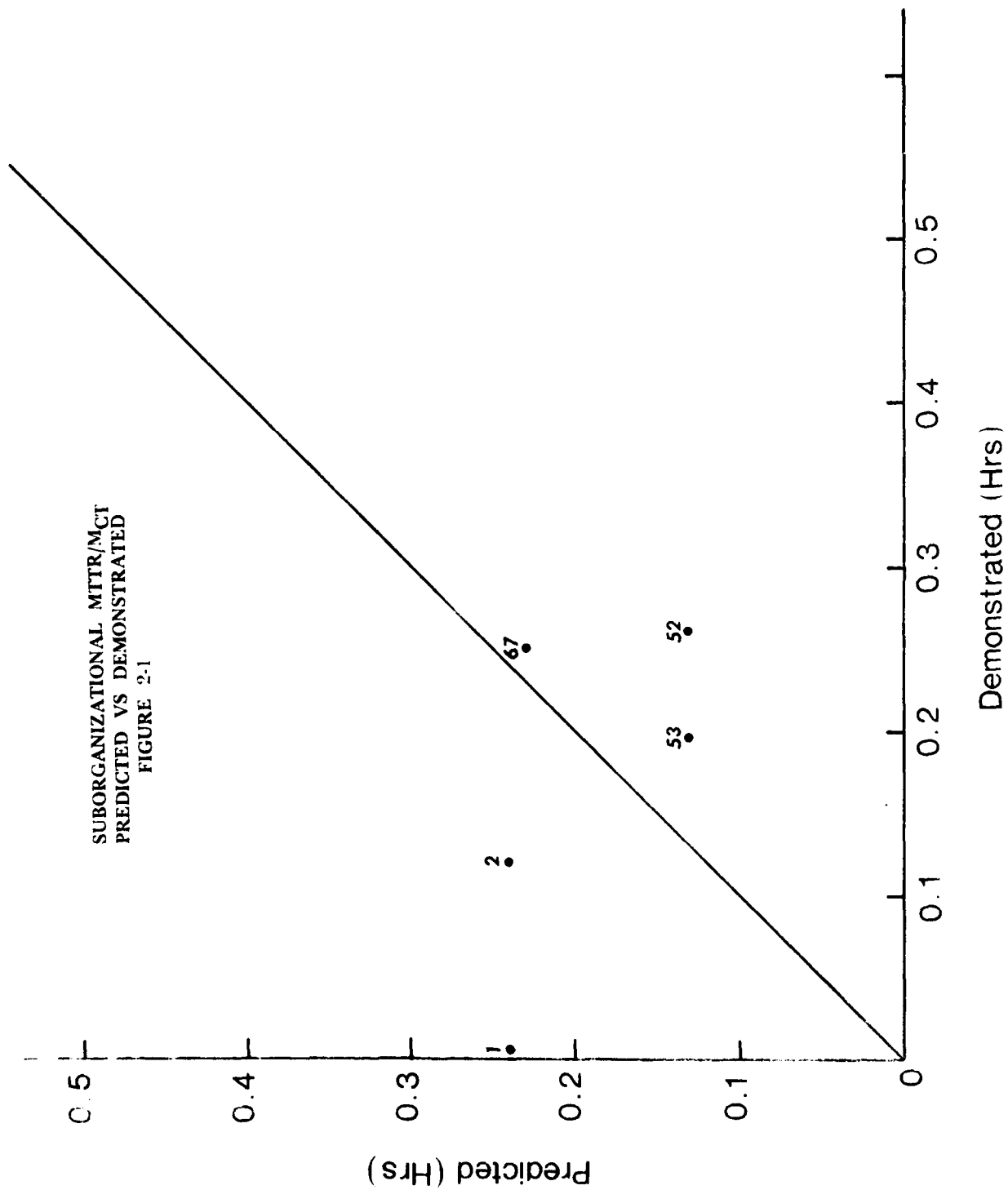
TABLE 2-16

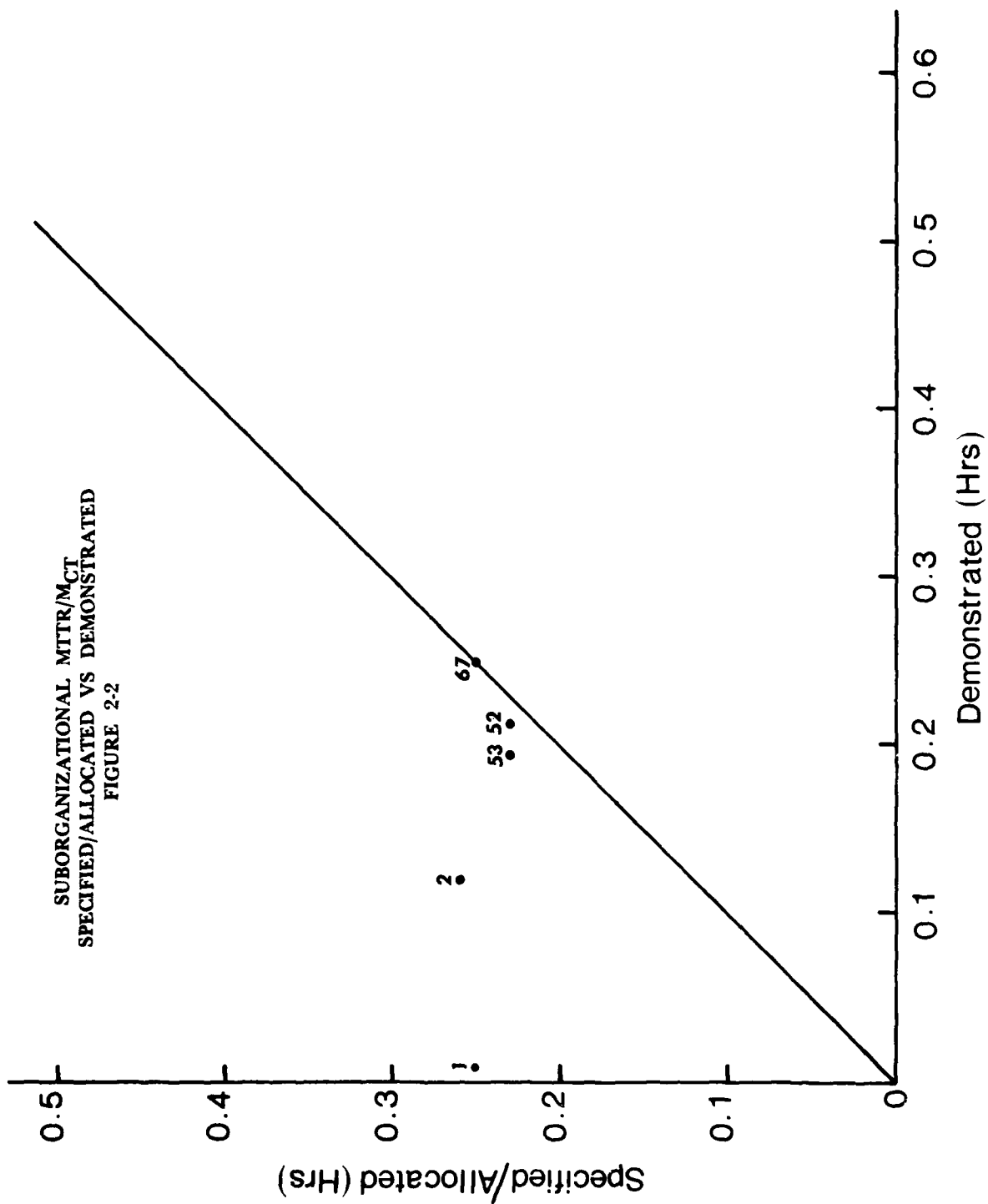
Mean Down Time at the Higher Level by Data Type and Equipment Category.

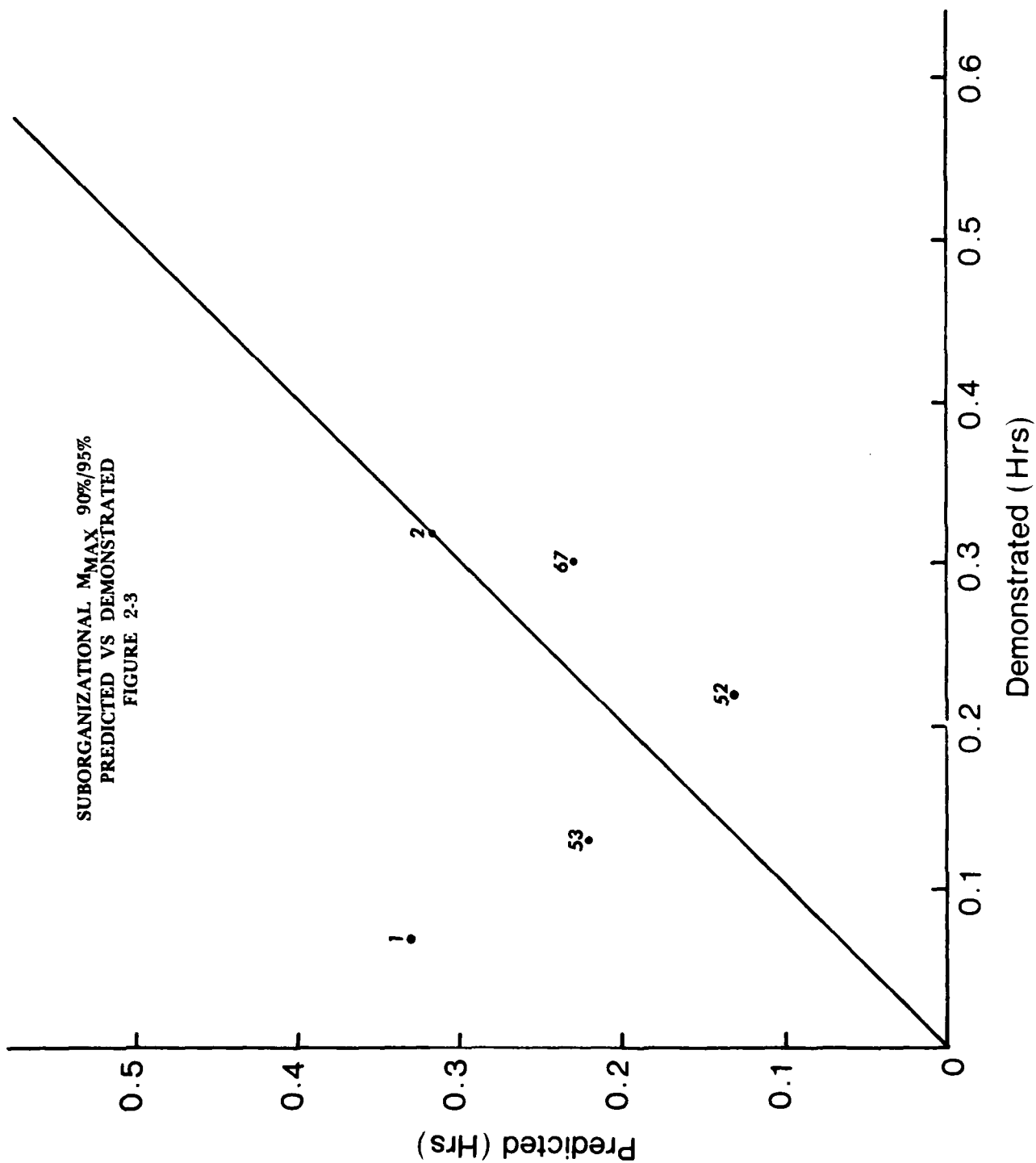
Date Type/Category	No. of Entries	Population MDT (Hrs.)	Population Std. Dev. (Hrs.)
Specified/Allocated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Predicted	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Demonstrated	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Test	0		
Radar	0		
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		
Field Operation	1	7.000	0.000
Radar	1	7.000	0.000
Computer	0		
Display	0		
Electronic Warfare	0		
Guidance and Navigation	0		
Test Equipment	0		
Communications	0		

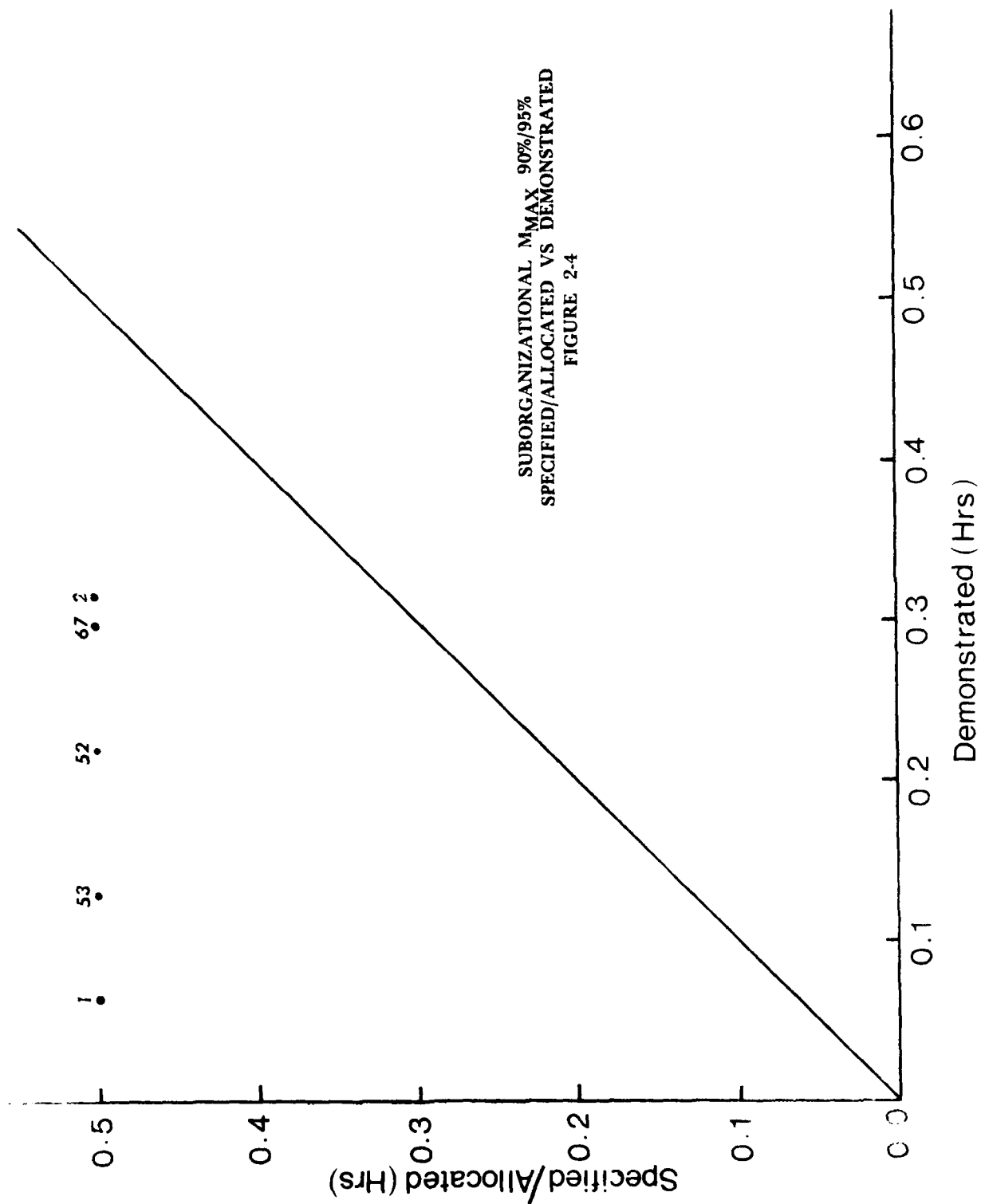
TABLE 2-17
AVERAGE BIT EFFECTIVENESS ON-LINE/OFF-LINE
BY DATA TYPE

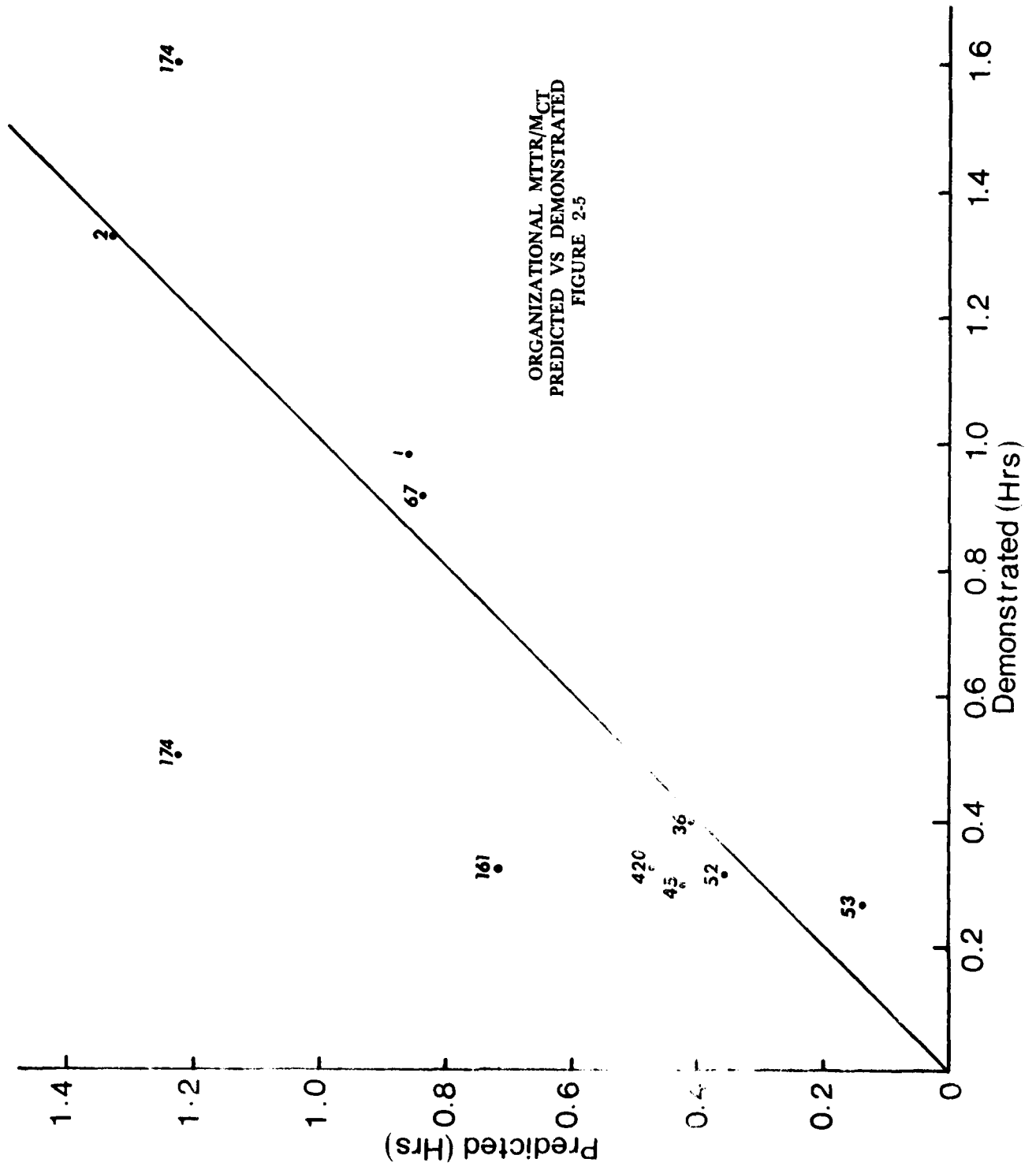
Data Type	Probability Of Fault Detection		Probability Of Fault Isolation to One Module		Probability Of Fault Isolation to Three Modules	
	No. of Entries	Value	No. of Entries	Value	No. of Entries	Value
Specified/ Allocated	8	94.4%	9	87.0%	12	94.6%
Predicted	17	89.6%	23	88.0%	26	97.0%
Demonstrated	8	98.4%	8	82.6%	10	88.9%
Field Test	0		0		0	
Field Operation	11	97.3%	0		19	57.8%



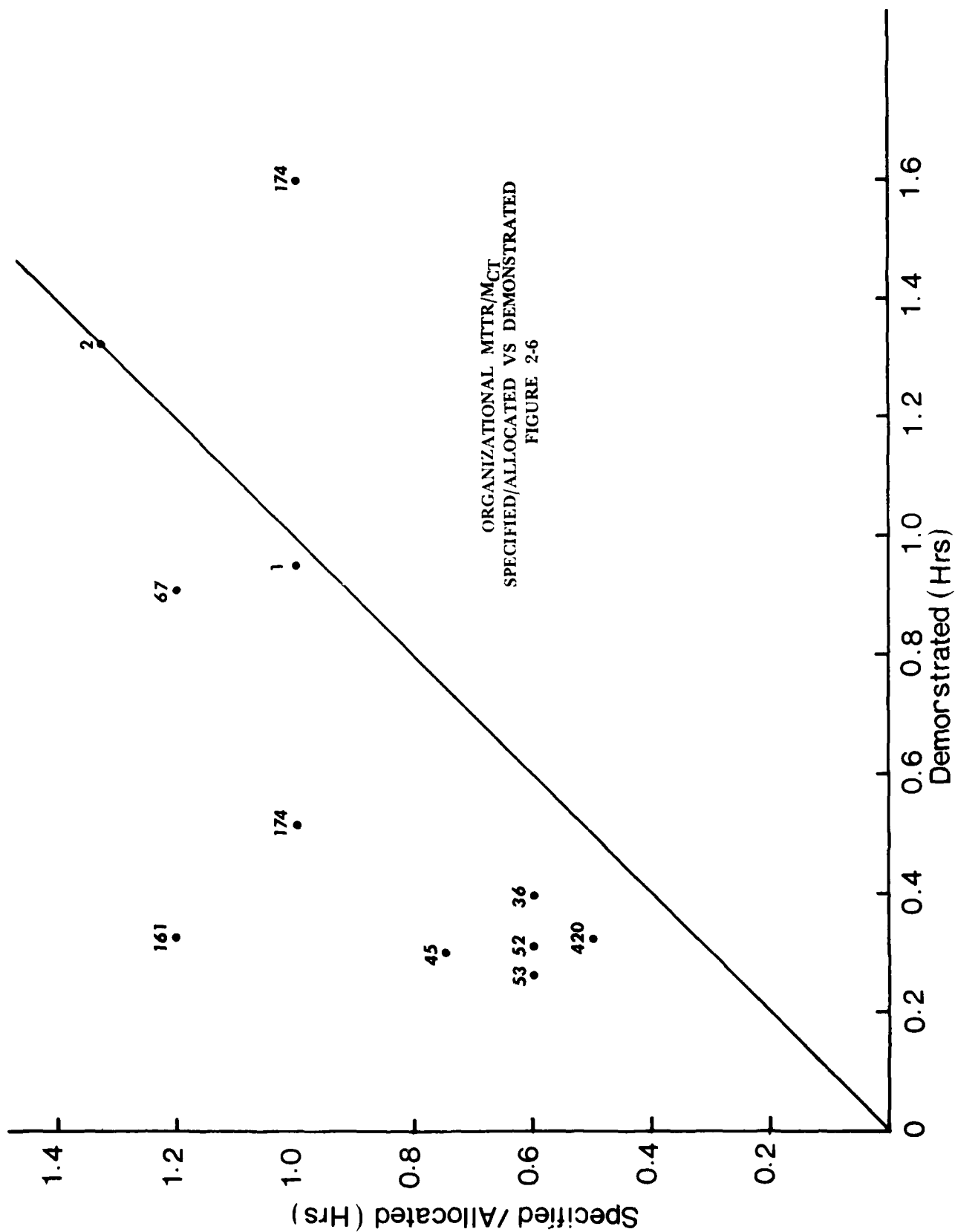


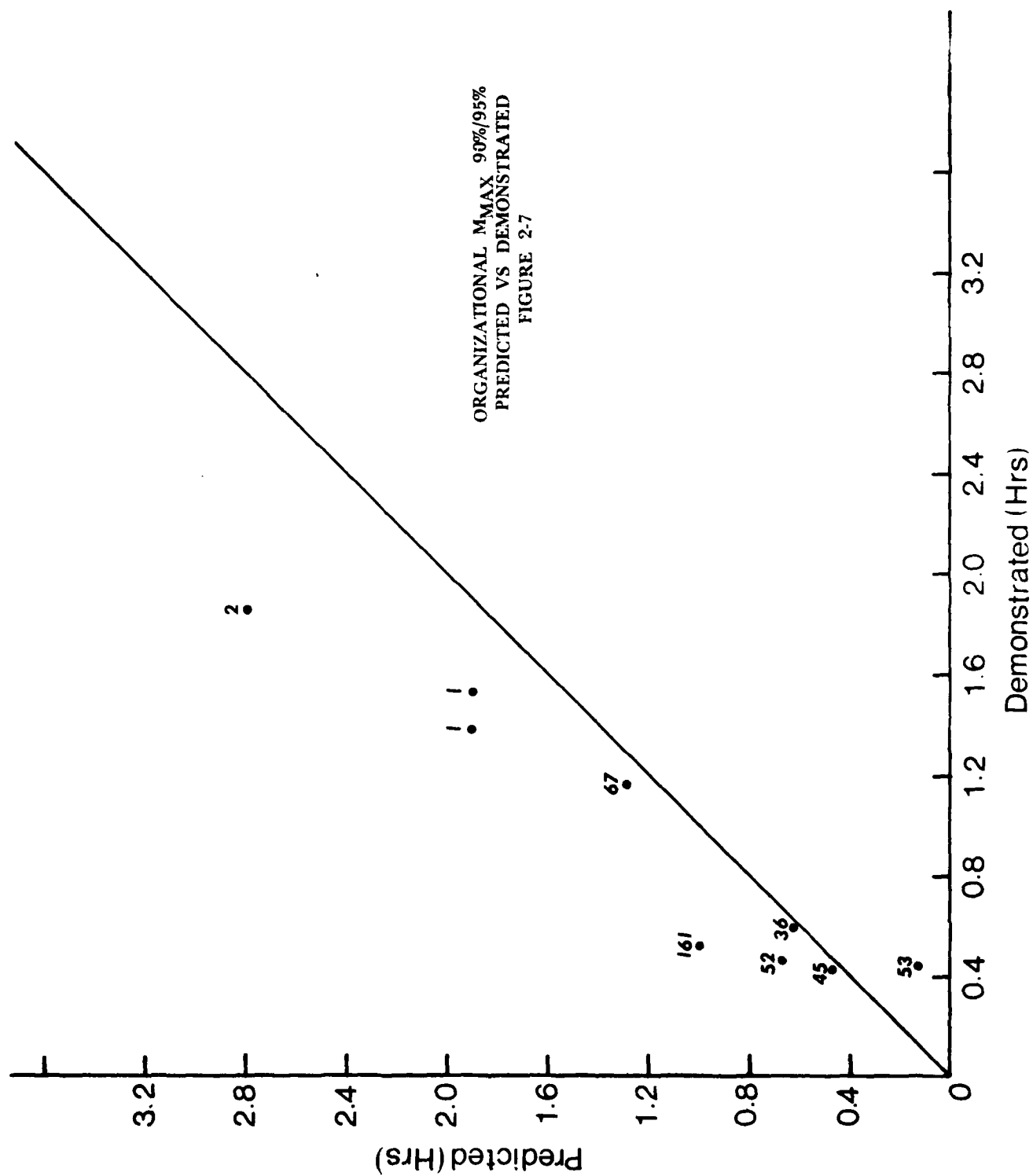


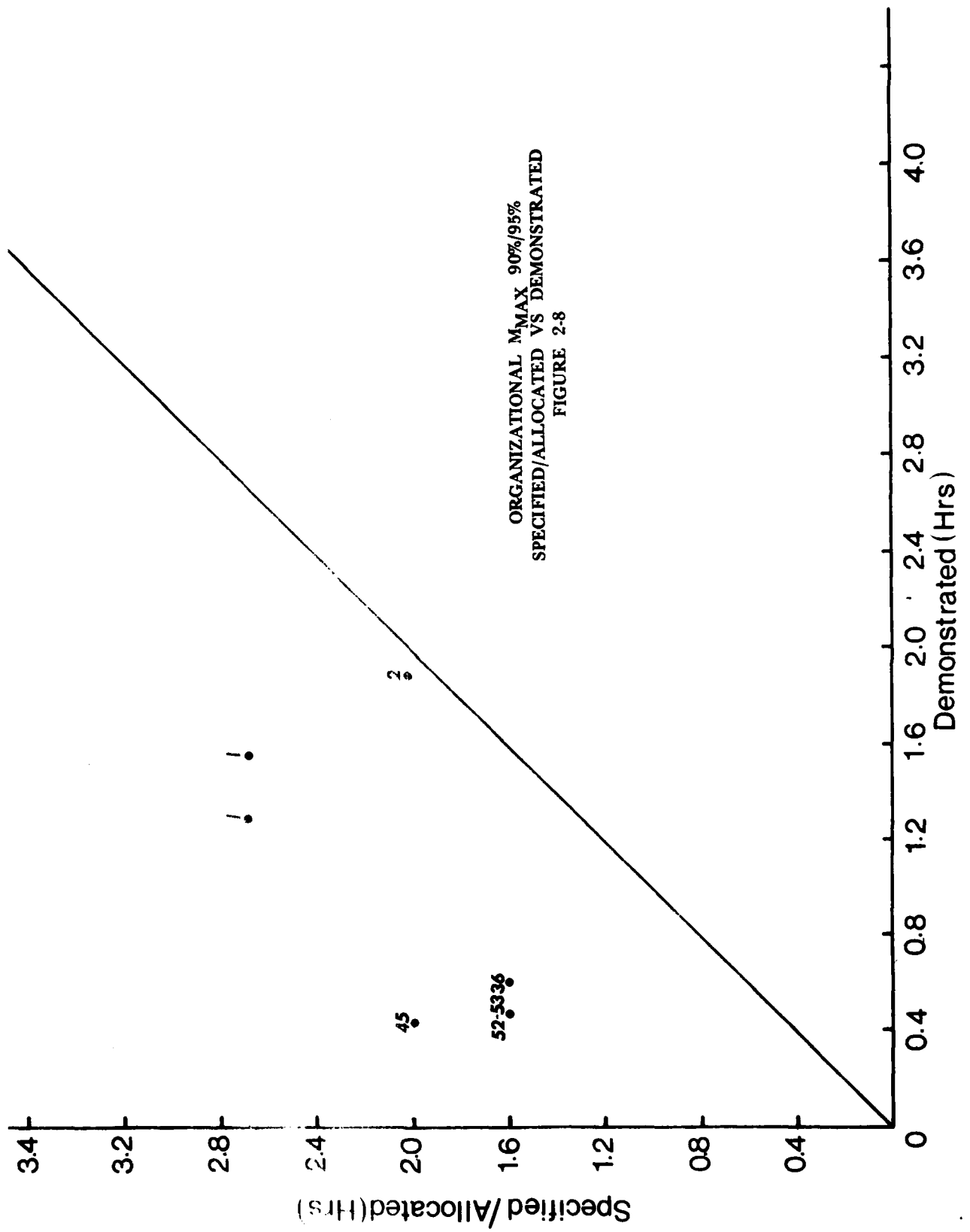




ORGANIZATIONAL MTTR/M_{CT}
 PREDICTED VS DEMONSTRATED
 FIGURE 2-5







ORGANIZATIONAL M_{MAX} 90%/95%
SPECIFIED/ALLOCATED VS DEMONSTRATED
FIGURE 2-8

TABLE 2-18

MAINTAINABILITY DATA DISTRIBUTION BY APPLICATION

Application	Data Entries	Percentage
Airborne Equipment	712	86.6
Ground Equipment	106	12.8
Other Applications	<u>5</u>	<u>0.6</u>
Total	823	100

TABLE 2-19

MAINTAINABILITY DATA DISTRIBUTION BY DATA TYPE

Data Type	Data Entries	Percentage
Specified/Allocated	219	26.6
Predicted	358	43.5
Demonstrated	69	8.4
Field Test	122	14.8
Field Operation	<u>55</u>	<u>6.7</u>
Total	823	100

TABLE 2-20

MAINTAINABILITY DATA DISTRIBUTION BY PARAMETER

Parameter	Data Entries	Percentage
MTRR/MCT		
Suborganizational	35	4.2
Organization	285	34.5
Intermediate	50	6.1
Subtotal	<u>370</u>	<u>44.8</u>
M MAX (90%/95%)		
Suborganizational	35	4.2
Organization	159	19.3
Intermediate	8	1.0
Subtotal	<u>202</u>	<u>24.5</u>
MMH/FH/OPHR	169	20.5
BIT AUTO/MANUAL	78	9.7
Mean Preventive Time	3	0.4
Mean Down Time	<u>1</u>	<u>0.1</u>
Total	823	100

THIS PAGE INTENTIONALLY LEFT BLANK

EQUIPMENT MAINTAINABILITY DATA

SECTION 3

**DETAILED LISTINGS
MAINTAINABILITY COMPARISON DATA
BY EQUIPMENT CATEGORY**

DETAILED LISTINGS

BY CATEGORY AND EQUIPMENT ID

Section 3 contains detailed listings of maintainability data contained in the RCM automated database. Included are maintainability numerics experienced during field operation, simulated operation and demonstration tests. Also included are specified, allocated and predicted maintainability numerics.

Entries in this section are organized first by category and by maintainability parameter, then by equipment identification number and data type. The data are organized in this manner so that the reader may readily observe the maintainability growth of the equipment.

A complete explanation of the terms and abbreviations used in the detailed listings may be found in the Usage Guide, pages 3-3 to 3-5.

THIS PAGE INTENTIONALLY LEFT BLANK

USAGE GUIDE

The description given below applies to the computer listings of this section. The circled numbers shown in the sample tabulation form below refer to the explanatory text that follows. A few minutes familiarizing oneself with the information supplied below will aid user interpretation of the data contained herein.

CATEGORY ①		COMMUNICATIONS										DATA TYPE ②				SPEC IF IED/ALLOCATION		REMARKS ⑬
EQUIP ID	PROG	MAINT	EQ	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE								
ID	PHASE	PARAM	TYPE	DATE	DATE	DETECT	ALARM	LRU	YLRU	NUMERIC	SIZE							
①	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮						

① CATEGORY. Denotes the general functional purpose of the overall equipment as usually defined at the Set equipment level.

② MAINT PARAM. Maintainability Parameter. Identifies the specific parameter for which this data is a measure. The codes for MAINT PARAM are:

1	MTTR Suborganizational	10	M _{MAX} (90%) Suborganizational
2	MTTR Organizational	11	M _{MAX} (90%) Organizational
3	MTTR Intermediate	12	M _{MAX} (90%) Intermediate
4	M _{CT} Suborganizational	13	M _{PT}
5	M _{CT} Organizational	14	MMH/FH/OP HR
6	M _{CT} Intermediate	15	Mean Downtime
7	M _{MAX} (95%) Suborganizational	16	BIT ON-LINE/AUTO
8	M _{MAX} (95%) Organizational	17	BIT OFF-LINE/MANUAL
9	M _{MAX} (95%) Intermediate		

③ EQUIP ID. The unique identifier assigned to an equipment.

④ PROG PHASE. Program Phase. The codes for Program Phase are:

- 1 Development
- 2 Production
- 3 Operational

⑤ EQ TYPE. Equipment Type. Denotes the specific functional purpose of the equipment as usually defined at the Group or Unit equipment level. The codes for EQ TYPE are:

- | | |
|---------------------------|---------------------------------|
| 01 Power Supply | 15 Multiplexer/Demultiplexer |
| 02 Transmitter | 16 Interconnection/Distribution |
| 03 Receiver | 17 Converter D/A or A/D |
| 04 Tranceiver | 18 Filter |
| 05 Antenna | 19 Inertial Reference |
| 06 Amplifier, Audio | 20 Stellar Reference |
| 07 Amplifier, RF | 21 Frequency/Timing Generator |
| 08 Amplifier, Video | 22 Cooling/Pressurizing |
| 09 Computer | 23 Test Circuitry |
| 10 Memory | 24 Alarm |
| 11 I/O Device | 25 Signal/Data Processor |
| 12 Indicator/Control | 26 Miscellaneous |
| 13 Modulator/Demodulatory | 27 Transducer |
| 14 Coder/Decoder | |

⑥ DATA TYPE. The source of the maintainability data. The codes for DATA TYPE are:

- | | |
|-----------------------------|-------------------------|
| 01 Specified or Apportioned | 04 Flight or Field Test |
| 02 Predicted | 05 Operational |
| 03 Demonstrated | 06 Other |

⑦ START DATE. Start date of test or period of concern (MMYY).

⑧ END DATE. End data of test or period of concern. If the start and end dates of the test are unknown, then the date on the source documentation is coded in this field (MMYY).

- ⑨ FAULT DETECT. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of detecting a given fault.
- ⑩ FALSE ALARM. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of indicating a fault when none exists.
- ⑪ FAULT ISOLATE 1 LRU. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of isolating a given fault to a single Line Replaceable Unit (LRU) or Shop Replaceable Unit (SRU).
- ⑫ FAULT ISOLATE X. Applicable only when MAINT PARAM is 16 or 17. This field denotes the LRU or SRU group size to which the probability listed in field FAULT ISOLATE LRUs applies.
- ⑬ FAULT ISOLATE LRUs. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of isolating a given fault to X LRUs or SRUs.
- ⑭ MAINT NUMERIC. The numeric value, in hours, of the maintainability parameter. Applicable for all MAINT PARAM except 16 or 17.
- ⑮ SAMPLE SIZE. The number of maintenance actions on which the applicable numeric is based.
- ⑯ REMARKS. Any additional data or background information which may be pertinent to this maintenance activity.

[illegible]

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER		MTR SUBORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE :							
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :							
210	1	9	6	:1172 :1273 :		6.300	30
45	2		1	:0178 :		.200	
45	2		2			.180	
52	2		1	:0675 :		.230	
52	2		2	:0178 :		.130	
52	2		3	:0675 :		.210	3
53	2	16	1	:0376 :0376 :		.230	
53	2	16	2			.130	
53	2	16	3	:0376 :0376 :		.190	50

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER		MTR ORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE :							
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :							
177	3	25	5	:0174 :1074 :		3.700	82
292	1	9	6	:0173 :0973 :		2.700	14
45	2		1	:0476 :0476 :		.750	
45	2		2	:0476 :0476 :		.430	
45	2		3	:0476 :0476 :		.300	50
46	2		1	:1175 :		.750	
47	2	17	1			.440	

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER		MTR ORGAN	
EQUIP : PROG :		EQ : DATA:START: END :		FAULT : FALSE: FAULT ISOLATE :		MAINT : SAMPLE:	
ID :		PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALAR:		1 LRU : X:LRUS :NUMERIC: SIZE :		REMARKS	
55	2	4	2			3.100	
56	2	11	2			.570	
57	2	11	1			.700	
57	2	11	2			.570	
58	2	11	1			.900	
58	2	11	2			.640	
59	2	11	1			.800	
59	2	11	2			.440	
61	2	9	1			.500	
61	2	9	2			.340	
62	2	12	1			.400	
62	2	12	2			.190	
63	2	10	1			.500	
63	2	10	2			.170	
64	2	15	1			.400	
64	2	15	2			.190	
65	2		2			.390	
66	2	10	1			1.200	
66	2	10	2			.390	

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER				MCT ORCAN		REMARKS
EQUIP	PROG	EQ	DATA:START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE	
ID	PHASE	TYPE	DATE	DATE:DETECT	ALARM	1	LRU	X:LRUS	NUMERIC	SIZE
175	1		1	:0174					2.200	
175	1		2	:0174					3.600	
175	3		3	:1276	:1276				.620	10 :R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS CENTER.
175	1		5	:0276	:0876				3.800	:ASSESSMENT BASED ON FIELD DATA FROM 02/76 TO 08/76
177	1	25	1	:0174					2.200	
177	1	25	2	:0174					.320	33

CATEGORY	COMPUTER	MAINTAINABILITY PARAMETER	MMAX(95%) ORGAN
EQUIP : PROC :	EQ :	DATA:START: END :	FAULT : FALSE :
ID :	PHASE:TYPE :	TYPE: DATE :	DATE:DETECT:ALARM :
		1 LRU :	X:LRUS :NUMERIC: SIZE :
175 :	1 :	0174 :	6.500 :
175 :	3 :	1276 :	10 :
			R/H/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS
			:CENTER.

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER	PMAX(90%) SUBORGAN
EQUIP : PROG :	EQ :	DATA:START:	END :FAULT :	FALSE: FAULT ISOLATE :	MAINT : SAIPLE :
ID :	PHASE:TYPE :	TYPE :	DATE: DATE:DETECT:ALARM :	1 LRU :	X:LRSU :NUMERIC: SIZE :
45 :	2 :	1 :	:0178 :	.500 :	
45 :	2 :	2 :	:	.210 :	

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER		MMAX(90%) SUBORGAN	
EQUIP : PROG : EQ		DATA : START : END		FAULT : FAULT ISOLATE : MAINT : SAMPLE :		REMARKS	
ID		PHASE : TYPE : TYPE : DATE		DATE : DETECT : ALARM : I LRU : X : LRU : NUMERIC : SIZE :			
52	2	1	:0675		:500		
52	2	2	:0178		:130		
52	2	3	:0675		:220	3	
53	2	16	:0376		:500		
53	2	16			:130		
53	2	16	:0376		:200	50	

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER		MMAX(90%) ORGAN	
EQUIP : PROG : EQ		DATA : START : END		FAULT : FAULT ISOLATE : MAINT : SAMPLE :		REMARKS	
ID		PHASE : TYPE : TYPE : DATE		DATE : DETECT : ALARM : I LRU : X : LRU : NUMERIC : SIZE :			
45	2	1	:0476 :0476		:2.000		
45	2	2	:0476 :0476		:.460		
45	2	3	:0476 :0476		:.430	50	ICU NOT INCLUDED IN DEMONSTRATION TEST.
46	2	1	:1175		:2.000		LESS CONVERTER, A TO D (ICU)
47	2	17			:1.140		
47	2	17			:.120		
48	2	17			:2.190		
48	2	17			:.230		
49	2	16			:3.800		
49	2	16			:.400		

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER		MMAX (90%) ORGAN	
EQUIP : PROG :		EQ : DATA:START: END : FAULT :		FALSE: FAULT ISOLATE :		MAINT : SAMPLE:	
ID :		PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM :		I LRU : X:LRUS :		NUMERIC: SIZE :	
50	2	15	1	:	:	1.620	:
50	2	15	2	:	:	.170	:
51	2	15	1	:	:	1.620	:
51	2	15	2	:	:	.170	:
52	2	:	1	:	:	1.600	:
52	2	:	1	:	:	1.600	:
52	2	:	2	:	:	.670	:
52	2	:	2	:	:	.670	:
52	2	:	3	:	:	.460	55
52	2	:	3	:	:	.480	50
53	2	16	1	:	:	1.600	:
53	2	16	2	:	:	.130	:
53	2	16	3	:	:	.450	47
54	2	12	1	:	:	1.560	:
54	2	12	2	:	:	.560	:
56	2	11	2	:	:	.700	:
57	2	11	1	:	:	1.820	:
58	2	11	1	:	:	2.340	:
59	2	11	1	:	:	2.080	:
61	2	9	1	:	:	1.300	:

[illegible]

CATEGORY		COMPUTER				MAINTAINABILITY PARAMETER				1PMH/FH/OPEK HR	REMARKS	
EQUIP	PROG	EQ	DATA	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE		
ID	PHASE	TYPE	TYPE	DATE	DATE	DETECT	ALARM	LRU	X:LRUS	NUMERIC	SIZE	
210	1	9	4	0772	1174				8.400	5		CAT 1:MEAN MAINTENANCE MANHOURS.
210	1	9	4	0474	0675				1.170	69		DT&E.MEAN MAINTENANCE MANHOURS.
218	1	4	0772	1174					2.400	6		CAT 1:MFAN MAINTENANCE MANHOURS.
292	1	9	4	0772	1174				4.600	3		CAT1. MEAN MAINTENANCE MANHOURS.
292	1	9	4	0474	0675				1.880	15		DT&E TEST. MEAN MAINTENANCE MANHOURS.
410	1	4	0772	1174					.900	2		CAT 1:MEAN MAINTENANCE MANHOURS.

CATEGORY				COMPUTER				MAINTAINABILITY PARAMETER				MMH/FH/OPER HR			
EQUIP		PROG	EQ	DATA	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE	REMARKS			
ID	PHASE	TYPE	TYPE	DATE	DATE	DETECT	ALARM	LRU	XLRUS	NUMERIC	SIZE				
411	1	25	3	:0973	:0174					.900	2				
411	1	25	4	:0772	:1174					9.170	3	:CAT I;MEAN MAINTENANCE MANHOURS.			
45	2		1	:0178						.093					
45	2		2	:0178						.038					
52	2		1	:0178						.190					
52	2		2	:0178						.173					
53	2	16	1							.011					
53	2	16	2							.011					
54	2	12	1							.009		:M=.0089			
54	2	12	2							.010		:M=.0098			
55	2	14	1							.011					
55	2	14	2							.017					
57	2	11	1							.016					
57	2	11	2							.014					
58	2	11	1							.003					
58	2	11	2							.003		:M=.0026			
59	2	11	1							.005		:M=.0049			
59	2	11	2							.005		:M=.0048			
61	2	9	1							.042					
61	2	9	2							.042					
62	2	12	1							.007					

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER		BIT ON LINE/AUTO	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:							
ID : PHASE:TYPE: TYPE: DATE: DATE: DETECT:ALARM : 1 LRU : X:LRUS : NUMERIC: SIZE :						REMARKS	
62	2	12	2				.005
63	2	10	1				.058
63	2	10	2				.055
64	2	15	1				.012
64	2	15	2				.009
66	2	10	1				.022
66	2	10	2				.017

CATEGORY		COMPUTER		MAINTAINABILITY PARAMETER		BIT ON LINE/AUTO	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:							
ID : PHASE:TYPE: TYPE: DATE: DATE: DETECT:ALARM : 1 LRU : X:LRUS : NUMERIC: SIZE :						REMARKS	
45	2		2		98.0	90.0	3: 95.0: .000
53	2	16	3	0376	0376		3: 64.0: .000 : 50

CATEGORY		COMPUTER				MAINTAINABILITY PARAMETER		BIT OFF LINE/MANUAL	
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:									
ID : PHASE:TYPE: TYPE: DATE: DATE: DETECT:ALARM : 1 LRU : X:LRUS : NUMERIC: SIZE :									
45	2	3	0476	0476	98.0	84.0	3:	98.0:	.000 : 50
53	2	16	1	0376	0376	98.0	3:	95.0:	.000

MAINTAINABILITY COMPARISON DATA

CATEGORY	COMPUTER	MAINTAINABILITY PARAMETER	BIT OFF LINE/MANUAL
EQUIP : PROG :	EQ :	DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:	REMARKS
ID : PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :	
53 :	2 :	16 :	3 :
		0376 :	99.9 :
			3 :
			99.9 :
			000 :
			50 :

CATEGORY	CONTROLS/DISPLAYS	MAINTAINABILITY PARAMETER	MTTR SUBORGAN
EQUIP : PROG :	EQ :	DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:	REMARKS
ID : PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :	
36 :	2 :	12 :	1 :
		0178 :	
			250 :

CATEGORY	CONTROLS/DISPLAYS	MAINTAINABILITY PARAMETER	MTTR ORGAN
EQUIP : PROG :	EQ :	DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:	REMARKS
ID : PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :	
212 :	2 :	12 :	6 :
		0675 :	0975 :
			1.430 :
212 :	2 :	12 :	6 :
		0176 :	0476 :
			24.000 :
212 :	2 :	12 :	6 :
		0177 :	0477 :
			12.000 :
212 :	1 :	12 :	6 :
		0374 :	0375 :
			19.900 :
213 :	1 :	12 :	6 :
		0374 :	0375 :
			5.000 :
215 :	2 :	12 :	6 :
		0675 :	0975 :
			2.750 :
216 :	1 :	12 :	6 :
		0374 :	0375 :
			500 :
216 :	2 :	12 :	6 :
		0675 :	0975 :
			4.000 :
36 :	2 :	12 :	1 :
		0178 :	
			600 :

MAINTAINABILITY COMPARISON DATA

CATEGORY		CONTROLS/DISPLAYS				MAINTAINABILITY PARAMETER				MTR ORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:											
ID : PHASE:TYPE: TYPE: DATE: DATE: DETECT:ALARM : LRU : X:LRUS :NUMERIC: SIZE :										REMARKS	
36	2	12	2		:0178					.410	
36	2	12	3	:0275	:0375					.400	50
37	2	12	1							.880	
37	2	12	2							.560	
38	2	11	1							.580	
38	2	11	2							.280	
39	2	12	1	:0178						.450	
39	2	12	2	:0178						.350	
40	2	9	2							.290	
41	2	9	2							.250	
42	2	9	2							.370	
43	2	12	1							.650	
43	2	12	2							.560	

CATEGORY		CONTROLS/DISPLAYS				MAINTAINABILITY PARAMETER				MAY (402) SUBORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:											
ID : PHASE:TYPE: TYPE: DATE: DATE: DETECT:ALARM : LRU : X:LRUS :NUMERIC: SIZE :										REMARKS	
36	2	12	1	:0178						.500	

MAINTAINABILITY COMPARISON DATA

CATEGORY		CONTROLS/DISPLAYS		MAINTAINABILITY PARAMETER		MAX(90%) ORGAN
EQUIP	PROC	EQ	DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:			REMARKS
ID	PHASE:TYPE:	TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :				
36	2	12	1	:	:	1.600
36	2	12	2	:	:	.630
36	2	12	3	:	:	.600 50
37	2	12	1	:	:	2.290
37	2	12	2	:	:	1.030
38	2	11	1	:	:	1.510
38	2	11	2	:	:	.280
39	2	12	1	:	:	1.170
39	2	12	2	:	:	.460
40	2	9	2	:	:	.350
41	2	9	2	:	:	.300
42	2	9	2	:	:	.470
43	2	12	1	:	:	1.690
43	2	12	2	:	:	.980

CATEGORY		CONTROLS/DISPLAYS		MAINTAINABILITY PARAMETER		MAX(90%) ORGAN
EQUIP	PROC	EQ	DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:			REMARKS
ID	PHASE:TYPE:	TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :				
203	1	12	4	:	:	8.500 2
205	1	12	4	:	:	12.800 17

MAINTAINABILITY COMPARISON DATA

CATEGORY		CONTROLS/DISPLAYS				MAINTAINABILITY PARAMETERS				REMARKS	
EQUIP : PROG : EO : DATA : START : END : FAULT : FALSE : FAULT ISOLATE : MAINT : SAMPLE :											
ID : PHASE : TYPE : DATE : DATA : DETECT : ALARM : LRU : X : LRU : NUMERIC : SIZE :											
208	1	12	4	:0772	:1174				9.000	3	:CAT I; MEAN MAINTENANCE MANHOURS.
212	1	12	4	:0772	:1174				20.200	10	:CAT I; MEAN MAINTENANCE MANHOURS
213	1	12	4	:0772	:1174				5.700	1	:CAT I; MEAN MAINTENANCE MANHOURS
215	1	12	4	:0772	:1174				1.000	1	:CAT I; MEAN MAINTENANCE MANHOURS
216	1	12	4	:0772	:1174				2.700	2	:CAT I; MEAN MAINTENANCE MANHOURS
220	1	12	4	:0772	:1174				3.140	5	:CAT I; MEAN MAINTENANCE MANHOURS.
309	1		4	:0772	:1174				4.000	3	:CAT I.
310	1	25	4	:0772	:1174				3.100	1	:CAT I TEST. MEAN MAINTENANCE MANHOURS.
312	1	12	4	:0772	:1174				4.500	12	:CAT I
314	1	26	4	:0772	:1174				5.600	6	:CAT I.
327	1		4	:0772	:1174				3.400	1	:CAT I
329	1	12	4	:0772	:1174				3.400	7	:CAT I
36	2	12	1		:0178				.180		
36	2	12	2		:0478				.108		
37	2	12	1						.010		
37	2	12	2						.012		
38	2	11	1						.001		N=.0009
38	2	11	2						.001		N=.0002
39	2	12	1						.084		
39	2	12	2						.037		
43	2	12	1						.080		

MAINTAINABILITY COMPARISON DATA

CATEGORY	CONTROLS/DISPLAYS				MAINTAINABILITY PARAMETER				MMH/FH/OPER HR
EQUIP : PROG :	EQ :	DATA:START:	END :	FAULT :	FALSE:	FAULT ISOLATE :	MAINT :	SAMPLE:	REMARKS
ID :	PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:	ALARM :	1 LRU :	X:LRUS :	NUMERIC:	SIZE :	
43 :	2 :	12 :	2 :	:	:	:	:	.060 :	
:	:	:	:	:	:	:	:	:	
:	:	:	:	:	:	:	:	:	

CATEGORY	CONTROLS/DISPLAYS				MAINTAINABILITY PARAMETER				BIT OFF LINE/MANUAL
EQUIP : PROG :	EQ :	DATA:START:	END :	FAULT :	FALSE:	FAULT ISOLATE :	MAINT :	SAMPLE:	REMARKS
ID :	PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:	ALARM :	1 LRU :	X:LRUS :	NUMERIC:	SIZE :	
36 :	2 :	12 :	1 :	:	98.0 :	90.0 :	3 :	95.0 :	:ORIGINAL REQUIREMENTS
36 :	2 :	12 :	1 :	:	:0478 :	75.0 :	3 :	90.0 :	:REVISED REQUIREMENT
36 :	2 :	12 :	3 :	:0874 :	99.9 :	58.8 :	3 :	70.6 :	:INITIAL MAINTAINABILITY DEMONSTRATION TEST (FAILED)
36 :	2 :	12 :	3 :	:0275 :	99.9 :	78.0 :	3 :	94.0 :	:MAINTAINABILITY DEMONSTRATION RTEST FOLLOWING SOFTWARE REWORK.

CATEGORY	ECH/EW				MAINTAINABILITY PARAMETER				MTTR ORGAN
EQUIP : PROG :	EQ :	DATA:START:	END :	FAULT :	FALSE:	FAULT ISOLATE :	MAINT :	SAMPLE:	REMARKS
ID :	PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:	ALARM :	1 LRU :	X:LRUS :	NUMERIC:	SIZE :	
221 :	2 :	18 :	6 :	:0177 :	:0377 :	:	:	1.800 :	2 :
221 :	2 :	18 :	6 :	:0475 :	:0875 :	:	:	6.100 :	5 :
221 :	2 :	18 :	6 :	:0676 :	:0177 :	:	:	6.700 :	6 :

MAINTAINABILITY COMPARISON DATA

CATEGORY	ECN/EW	MAINTAINABILITY PARAMETER	MMH/PH/OPEP HR	REMARKS
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:				
ID : PHASE:TYPE: TYPE: DATE: DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :				
221 : 1 : 18 : 4 :0772 :1174 :		1 :CAT I.		
231 : 1 : 4 :0772 :1174 :		3 :CAT I.		
234 : 1 : 7 : 4 :0772 :1174 :		1 :CAT I		
236 : 1 : 25 : 4 :0772 :1174 :		1 :CAT I. LESS PROGRAM:JFR & TUNING UNITS.		
238 : 1 : 4 :0772 :1174 :		6 :CAT I		
248 : 1 : 3 : 4 :0772 :1174 :		5 :CAT I.		
249 : 1 : 3 : 4 :0772 :1174 :		1 :CAT I		

CATEGORY	GUIDANCE/NAVIGATION	MAINTAINABILITY PARAMETER	MMH/PH/OPEP HR	REMARKS
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:				
ID : PHASE:TYPE: TYPE: DATE: DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :				
161 : 2 : 1 : :0875 :		1 :200 :		
161 : 2 : 2 : :0875 :		.720 :		
161 : 2 : 3 :0775 :0775 :		.330 : 50 :PER I/L-STD 471 I/FRAD 2		
165 : 2 : 12 : 1 : : :		1 :000 :		
165 : 2 : 12 : 2 : : :		.450 :		
170 : 2 : 1 : 1 : : :		1 :200 :		
170 : 2 : 1 : 2 : : :		.710 :		
171 : 2 : 12 : 1 : : :		1 :200 :		
171 : 2 : 12 : 2 : : :		.640 :		

MAINTAINABILITY COMPARISON DATA

CATEGORY		GUIDANCE/NAVIGATION				MAINTAINABILITY PARAMETER				NTR ORGAN	
EQUIP : PROG : EQ : DATA : START : END : FAULT : FALSE : FAULT ISOLATE : MAINT : SAMPLE :											
ID : PHASE : TYPE : TYPE : DATE : DATE : DETECT : ALARM : 1 LRU : X : LRU : NUMERIC : SIZE :										REMARKS	
172	2	19	1							1.200	
172	2	19	2							.880	
173	2	12	1							1.200	
173	2	12	2							.530	
198	1		4	0176	0476					1.840	42 : HOURS=77/MAINTENANCE ACTIONS=42

CATEGORY		GUIDANCE/NAVIGATION				MAINTAINABILITY PARAMETER				NCT ORGAN	
EQUIP : PROG : EQ : DATA : START : END : FAULT : FALSE : FAULT ISOLATE : MAINT : SAMPLE :											
ID : PHASE : TYPE : TYPE : DATE : DATE : DETECT : ALARM : 1 LRU : X : LRU : NUMERIC : SIZE :										REMARKS	
162	2	4	1							.600	
162	2	4	2							.540	
164	2	16	1							1.300	
164	2	16	2							.680	
166	2	12	1							1.000	
166	2	12	2							.450	
167	2	3	1							.900	
167	2	3	2							.640	
420	1		1		0977					.500	
420	1		2		0977					.470	
420	1		3	0777	0877					.330	

[illegible]

CATEGORY		GUIDANCE/NAVIGATION				MAINTAINABILITY PARAMETER				MCT INTER	
EQUIP		PROG	EQ	DATA:START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE	REMARKS
ID	PHASE	TYPE	DATE	DATE	DETECT	ALARM	I LRU	X:LRUS	NUMERIC	SIZE	
421	1	19	4		0977				4.500		
421	1	19	3	0777	0877				1.200		
422	1	26	2		0977				1.500		
422	1	26	3	0777	0877				1.200		
428	1		2		1173				1.000		
428	1		2		1173				2.400		

[illegible]

MAINTAINABILITY COMPARISON DATA

CATEGORY	GUIDANCE/NAVIGATION				MAINTAINABILITY PARAMETER				MAX(95%) INTER
EQUIP : PROC : EQ :	DATA:START :	END :FAULT :	FALSE: FAULT ISOLATE :	MAINT :SAMPLE :					REMARKS
ID : PHASE:TYPE :	TYPE: DATE :	DATE:DETECT:ALARM :	1 LRU : X:LRUS :	NUMERIC: SIZE :					
428 : 1 :	2 :	1173 :	:	2.000 :	EQUIPMENT LESS LRU				
428 : 1 :	2 :	1173 :	:	4.500 :					

CATEGORY	GUIDANCE/NAVIGATION				MAINTAINABILITY PARAMETER				MAX(90%) ORGAN
EQUIP : PROC : EQ :	DATA:START :	END :FAULT :	FALSE: FAULT ISOLATE :	MAINT :SAMPLE :					REMARKS
ID : PHASE:TYPE :	TYPE: DATE :	DATE:DETECT:ALARM :	1 LRU : X:LRUS :	NUMERIC: SIZE :					
161 : 2 :	1 :	0875 :	:	3.200 :					
161 : 2 :	2 :	0875 :	:	1.010 :					
161 : 2 :	3 :	0775 :0775 :	:	.520 :	50 PER MIL-STD 471 METHOD 2				

CATEGORY	GUIDANCE/NAVIGATION				MAINTAINABILITY PARAMETER				MAX(FH/OPER HR
EQUIP : PROC : EQ :	DATA:START :	END :FAULT :	FALSE: FAULT ISOLATE :	MAINT :SAMPLE :					REMARKS
ID : PHASE:TYPE :	TYPE: DATE :	DATE:DETECT:ALARM :	1 LRU : X:LRUS :	NUMERIC: SIZE :					
161 : 2 :	1 :	0178 :	:	.270 :					
161 : 2 :	2 :	0178 :	:	.108 :					
162 : 2 :	4 :	1 :	:	.007 :					
162 : 2 :	4 :	2 :	:	.008 :					
164 : 2 :	16 :	1 :	:	.001 :	N=.0601				
164 : 2 :	16 :	2 :	:	.001 :	N=.00002				

MAINTAINABILITY COMPARISON DATA

CATEGORY		GUIDANCE/NAVIGATION		MAINTAINABILITY PARAMETER		MPH/FH/OPER HR	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:						REMARKS	
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :							
165	2	12	1				
165	2	12	2				
166	2	12	1				
166	2	12	2				
167	2	3	1				
167	2	3	2				
170	2	1	1				
170	2	1	2				
171	2	12	1				
171	2	12	2				
172	2	19	1				
172	2	19	2				
173	2	12	1				
173	2	12	2				
198	1		4	0176	0476		
209	1	19	4	0772	1174		
222	1	4	4	0772	1174		
293	1		4	0772	1174		
294	1	7	4	0772	1174		
295	1	19	4	0772	1174		
296	1	12	4	0772	1174		

MAINTAINABILITY COMPARISON DATA

CATEGORY	GUIDANCE/NAVIGATION				MAINTAINABILITY PARAMETER				MMH/HH/OPER HR
EQUIP : PROC :	EQ :	DATA:START :	END :	FAULT :	FALSE :	FAULT ISOLATE :	MAINT :	SAMPLE :	RE:ARPS
ID :	PHASE:TYPE :	DATE :	DATE:DETECT:ALARM :	1 LRU :	X:LRUS :	NUMERIC :	SIZE :		
297 :	1 :	4 :	:0772 :	1174 :			7.520 :	49 :	CAT 1:MEAN MAINTENANCE MANHOURLS.
298 :	1 :	19 :	4 :	:0772 :	1174 :		8.170 :	42 :	CAT 1:MEAN MAINTENANCE MANHOURLS.
299 :	1 :	12 :	4 :	:0772 :	1174 :		3.610 :	7 :	CAT 1:MEAN MAINTENANCE MANHOURLS.
300 :	2 :	19 :	4 :	:0474 :	0675 :		.300 :	36 :	
301 :	1 :	9 :	4 :	:0772 :	1174 :		4.500 :	2 :	CAT 1:MEAN MAINTENANCE MANHOURLS.
302 :	1 :	9 :	4 :	:0772 :	1174 :		5.400 :	3 :	CAT 1 TEST:MEAN MAINTENANCE MANHOURLS.
407 :	1 :	12 :	4 :	:0772 :	1174 :		22.900 :	20 :	CAT 1:MEAN MAINTENANCE MANHOURLS.
408 :	1 :	12 :	4 :	:0772 :	1174 :		22.900 :	20 :	CAT 1:MEAN MAINTENANCE MANHOURLS.

CATEGORY	GUIDANCE/NAVIGATION				MAINTAINABILITY PARAMETER				RIT OFF LINE/ANNUAL
EQUIP : PROC :	EQ :	DATA:START :	END :	FAULT :	FALSE :	FAULT ISOLATE :	MAINT :	SAMPLE :	RE:ARPS
ID :	PHASE:TYPE :	DATE :	DATE:DETECT:ALARM :	1 LRU :	X:LRUS :	NUMERIC :	SIZE :		
161 :	2 :	1 :	:0875 :	98.0 :		90.0 :	95.0 :	.000 :	
161 :	2 :	3 :	:0875 :	99.9 :		96.0 :	99.9 :	.000 :	50 :
420 :	1 :	1 :	:0977 :			90.0 :		.000 :	
420 :	1 :	2 :	:0977 :			98.0 :		.000 :	
420 :	1 :	3 :	:0777 :	0877 :		99.9 :		.000 :	
428 :	1 :	2 :	:1173 :			95.0 :		.000 :	

MAINTAINABILITY COMPARISON DATA

CATEGORY		TEST EQUIP.		MAINTAINABILITY PARAMETER		MTR SURORGAN	
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:							
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :						REMARKS	
318	1	4	0675 :0775			.183	3

CATEGORY		RADAR		MAINTAINABILITY PARAMETER		MTR SURORGAN	
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:							
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :						REMARKS	
10	2	9	2 : : :0178			.240	
11	2	9	2 : : :0178			.230	
12	2	9	2 : : :0178			.260	
13	2	2	2 : : :0178			.160	
14	2	3	2 : : :0178			.160	
15	2	21	2 : : :0178			.150	
16	2	21	2 : : :0178			.160	
17	2	2	2 : : :0178			.320	
27	2	23	2 : : :0178			.240	
29	2	1	2 : : :0178			.240	
1	2	1	2 : : :0178			.250	
1	2	2	2 : : :0178			.240	
1	2	3	0476 :0977			.017	18
2	2	1	1077			.260	
2	2	2	0178			.240	

INTEGRATED MISSION AVIONICS MAINTAINABILITY DEMONSTRATION TEST IN THE AVIONICS INTEGRATION LABORATORY.

MAINTAINABILITY COMPARISON DATA

CATEGORY		RADAR		MAINTAINABILITY PARAMETER		MTTR SUBORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:							
ID	PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS : NUMERIC: SIZE :					REMARKS	
2	2	3	1077				
3	2	12	0178				

CATEGORY		RADAR		MAINTAINABILITY PARAMETER		MTTR ORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:							
ID	PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS : NUMERIC: SIZE :					REMARKS	
364	1	25	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=2.5HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT=2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.
365	1	25	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=2.1HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.
366	1	25	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR = 2.8HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.
367	1	25	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR = 3.3HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.
368	1	21	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=3.2HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.
369	1	1	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=2.3HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.
370	1	3	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE. DIRECT LABOR = 5.1HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =1.7/1.0HR. FOR MTTR EQ SEE SEQ #2.
371	1	3	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=11.6HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =1.7/1.0HR. FOR MTTR EQ SEE SEQ #2.
372	1	3	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=4.0HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =1.7/1.0HR. FOR MTTR EQ SEE SEQ #2.
373	1	26	4 : 0776 : 0876				: IOT&E.M-NUM=ESTIMATE.DIRECT LABOR = 3.4HR & BASED ON MAINT ACTIONS.
							: INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTTR EQ SEE SEQ #2.

MAINTAINABILITY COMPARISON DATA

CATEGORY	RADAR				MAINTAINABILITY PARAMETER				MTTR ORGAN			
	EQUIP	PROG	EQ	DATA:START	END	FAULT	FALSE	FAULT	ISOLATE	MAINT	SAMPLE	REMARKS
ID	PHASE:TYPE	DATE	TYPE	DATE:DETECT	ALARM	1	LRU	X	LRUS	NUMERIC	SIZE	
375	1	12	4	:0776	:0876	:	:	:	:	:.063	:	:IOT&E.M-NUM=ESTIMATE= TOTAL LABOR HRX(CAMP FR/TOTAL GP B FR)%. DIRECT LABOR =2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
376	1	17	4	:0776	:0876	:	:	:	:	:.215	:	:IOT&E.M-NUM=ESTIMATE=TOTAL LABOR HRX(DEFU FR/TOTAL GP B FR)%. DIRECT LABOR =2.7HR & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
377	1	12	4	:0776	:0876	:	:	:	:	:.065	:	:IOT&E.M-NUM=ESTIMATE=TOTAL LABOR HRX(ACWP FR/TOTAL GP B FR)%. DIRECT LABOR=2.1 & BASED ON MAINT ACTIONS.INDIRECT LABOR = 2.2HR.
378	1	12	4	:0776	:0876	:	:	:	:	:.437	:	:IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=2.1HR & BASED ON 7 MAIN ACTIONS.IN-DIRECT LABOR =2.2HR.MTTR= TOTAL LABOR HRX(PPLAC FR/TOTAL GP B FR)%.
379	1	12	4	:0776	:0876	:	:	:	:	:.629	:	:IOT&E.M-NUM=ESTIMATE= TOTAL LABOR HRX(PAHC FR/TOTAL GP B FR)%. DIRECT LABOR=2.1HR & BASED ON 10 MAIN ACTIONS. INDIRECT LABOR = 2.2HR.
380	1	12	4	:0776	:0876	:	:	:	:	:.370	:	:IOT&E.M-NUM=ESTIMATE= TOTAL LABOR HRX(ACPE1 FR/TOTAL GP B FR)%. DIRECT LABOR =2HR & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
381	1	1	4	:0776	:0876	:	:	:	:	:.071	:	:IOT&E.M-NUM=ESTIMATE=TOTAL LABOR HRX(LU FR/ TOTAL GP B FR)%. DIRECT LABOR =2.5 & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
382	1	9	4	:0776	:0876	:	:	:	:	:.612	:	:IOT&E.5.4.4HR DIRECT LABOR.INDIRECT LABOR FOR MATURE/IDEAL BIT = 1.7/1HR: MTTR IS EST.DIRECT LABOR BASED ON 6 MAIN ACTIONS.IDEAL BIT MTTR EST=.552:
383	1	3	4	:0776	:0876	:	:	:	:	:.087	:	:EST NUMERIC FROM OTHER MAIN ACTIONS DURING IOT&E.ASSUMES BIT TO IDENTIFY: FAILUREP. MTTR EST=.066HR FOR BIT TO ISOLATE TO LRU.3.1 DIR & 2.3/1 INDIR:
10	2	9	1	:	:0178	:	:	:	:	:.630	:	:
10	2	9	2	:	:0178	:	:	:	:	:.700	:	:
11	2	9	2	:	:0178	:	:	:	:	:.700	:	:
12	2	9	2	:	:0178	:	:	:	:	:.710	:	:
13	2	:	2	:	:0178	:	:	:	:	:1.240	:	:
14	2	3	2	:	:0178	:	:	:	:	:1.610	:	:
15	2	21	2	:	:0178	:	:	:	:	:.800	:	:
16	2	21	2	:	:0178	:	:	:	:	:1.230	:	:

MAINTAINABILITY COMPARISON DATA

CATEGORY	RADAR				MAINTAINABILITY PARAMETER				MTTR ORGAN	REMARKS
EQUIP : PROG :	EQ :	DATA:START:	END :	FAULT :	FALSE: FAULT ISOLATE :	MAINT :	SAMPLE :			
ID :	PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:	ALARM :	I LRU :	X:LRUS :	NUMERIC: SIZE :			
17 :	2 :	2 :	1 :	:0178 :	:	:	2.600 :			
17 :	2 :	2 :	2 :	:0178 :	:	:	2.600 :			
18 :	2 :	7 :	2 :	:0178 :	:	:	3.300 :			
19 :	2 :	7 :	2 :	:0178 :	:	:	2.200 :			
20 :	2 :	7 :	2 :	:0178 :	:	:	3.900 :			
22 :	2 :	12 :	2 :	:0178 :	:	:	.280 :			
23 :	2 :	22 :	2 :	:0178 :	:	:	4.000 :			
24 :	2 :	23 :	2 :	:0178 :	:	:	1.100 :			
25 :	2 :	24 :	2 :	:0178 :	:	:	1.300 :			
27 :	2 :	23 :	2 :	:0178 :	:	:	.750 :			
28 :	2 :	16 :	2 :	:0178 :	:	:	.910 :			
29 :	2 :	1 :	2 :	:0178 :	:	:	.600 :			
33 :	2 :	22 :	2 :	:0178 :	:	:	1.690 :			
34 :	2 :	2 :	2 :	:0178 :	:	:	2.100 :			
1 :	2 :	1 :	1 :	:	:	:	1.000 :			
1 :	2 :	2 :	2 :	:	:	:	.860 :			
1 :	2 :	3 :	1276 :	0977 :	:	:	.972 :	50 :		
1 :	2 :	3 :	0476 :	0977 :	:	:	.940 :	50 :		
2 :	2 :	1 :	:	:0778 :	:	:	1.300 :			
2 :	2 :	2 :	:	:0178 :	:	:	1.330 :			
2 :	2 :	3 :	:	:1677 :	:	:	1.300 :	50 :		

INTEGRATED MISSION AVIONICS MAINTAINABILITY DEMONSTRATION TEST IN THE
AVIONICS INTEGRATION LABORATORY.

MAINTAINABILITY COMPARISON DATA

CATEGORY	RADAR				MAINTAINABILITY PARAMETER				MTTR ORGAN	REMARKS
EQUIP : PROG :	EQ :	DATA :	START :	END :	FAULT :	FALSE :	FAULT ISOLATE :	MAINT :	SAMPLE :	
ID :	PHASE :	TYPE :	DATE :	DATE :	DETECT :	ALARM :	1 LRU :	X : LRU :	NUMERIC :	SIZE :
2 :	2 :	3 :	0877 :	0977 :	:	:	:	:	1.040 :	12 : MISSION AVIONICS MAINTAINABILITY DEHO A/V GROUND TEST
3 :	2 :	12 :	1 :	0178 :	:	:	:	:	.500 :	
3 :	2 :	12 :	2 :	0178 :	:	:	:	:	.380 :	
4 :	2 :	22 :	2 :	0178 :	:	:	:	:	3.700 :	
5 :	2 :	1 :	0178 :	:	:	:	:	:	1.800 :	
5 :	2 :	2 :	0178 :	:	:	:	:	:	1.800 :	
6 :	2 :	5 :	2 :	0178 :	:	:	:	:	3.600 :	
7 :	2 :	7 :	2 :	0178 :	:	:	:	:	1.440 :	
8 :	2 :	7 :	2 :	0178 :	:	:	:	:	1.440 :	
9 :	2 :	3 :	2 :	0178 :	:	:	:	:	2.300 :	

CATEGORY	RADAR				MAINTAINABILITY PARAMETER				MTTR INTER	REMARKS
EQUIP : PROG :	EQ :	DATA :	START :	END :	FAULT :	FALSE :	FAULT ISOLATE :	MAINT :	SAMPLE :	
ID :	PHASE :	TYPE :	DATE :	DATE :	DETECT :	ALARM :	1 LRU :	X : LRU :	NUMERIC :	SIZE :
364 :	1 :	25 :	4 :	0776 :	0876 :	:	:	:	.009 :	:TOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(SPU FR/TOTAL GP B FR)2.DIRECT :LABOR =2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
365 :	1 :	25 :	4 :	0776 :	0876 :	:	:	:	.005 :	:TOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(NCU FR/TOTAL GP B FR)2. DIRECT :LABOR =2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
366 :	1 :	25 :	4 :	0776 :	0876 :	:	:	:	.077 :	:TOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(IFP FR/TOTAL GP B FR)2. DIRECT :LABOR =4.0HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
367 :	1 :	25 :	4 :	0776 :	0876 :	:	:	:	.135 :	:TOT&E M-NUM-ESTIMATE-TOTAL LABOR HRX(FSCU FR/TOTAL GP B FR)2. DIRECT :LABOR =3.0 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.

MAINTAINABILITY COMPARISON DATA

CATEGORY		RADAR				MAINTAINABILITY PARAMETER				MTTR INTER	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:											
ID : PHASE:TYPE: TYPE: DATE: DATE: DETECT:ALARM :1 LRU : X:LRUS :NUMERIC: SIZE :										REMARKS	
368	1	21	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE=TOTAL LABOR HRX(EFS FR/TOTAL GP B FR)% DIRECT LABOR =6.5HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
369	1	1	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE=TOTAL LABOR HRX(CPSU FR/TOTAL GP B FR)% DIRECT LABOR =3.5HR & BASED ON MAINT ACTIONS.INDIRECT LABOR =0.9HR.
370	1	3	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE=TOTAL LABOR HRX(8R FR/TOTAL GP B FR)% DIRECT LABOR =1.9 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.7HR.
371	1	3	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE=TOTAL LABOR HRX(FAR FR/TOTAL GP B FR)% DIRECT LABOR =3.2HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.7.
372	1	3	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE=TOTAL LABOR HRX(LBR FR/TOTAL GP B FR)% DIRECT LABOR =4.7HR & BASED ON MAINT ACTIONS.INDIRECT LABOR =0.9HR.
373	1	26	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE=TOTAL LABOR HRX(LBS FR/TOTAL GP B FR)% DIRECT LABOR =0.9HR & BASED ON MAINT ACTIONS.INDIRECT LABOR =0.7HR.
375	1	12	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE= SEE SEQ #1.DIRECT LABOR=5.9 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =.9HR.
376	1	17	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE= SEE SEQ #1. DIRECT LABOR=8.1 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =.9HR.
377	1	12	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE= TOTAL LABOR HRX(ACWP FR/TOTAL GP B FR)% DIRECT LABOR =2.8 & BASED ON MAIN ACTIONS. INDIRECT LABOR =.9HR.
378	1	12	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE=TOTAL LABOR HRX(PPIAC FR/TOTAL GP B FR)% DIRECT LABOR=6.4HR&BASED ON 7 MAIN ACTIONS. INDIRECT LABOR= .9HR.
379	1	12	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE=TOTAL LABOR HRX(PARIC FR/TOTAL GP B FR)% DIRECT LABOR =8.9 & BASED ON 10 MAIN ACTIONS. INDIRECT LABOR =.9HR.
380	1	12	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE= SEE SEQ#1. DIRECT LABOR=2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =.9HR.
381	1	1	4	:0776	:0876	:	:	:	:	:	: IOT&E M-NUM=ESTIMATE= SEE SEQ #1. DIRECT LABOR =4.5 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =.9HR.
382	1	9	4	:0776	:0876	:	:	:	:	:	: IOT&E.DIRECT LABOR HR =2.9,INDIRECT=.9.MTTR IS AN ESTIMATE=TOTAL LABOR :HR X(HAUC FR/TOTAL GP B FR)%.

[illegible]3-32

MAINTAINABILITY COMPARISON DATA

CATEGORY		RADAR		MAINTAINABILITY PARAMETER		MCT ORGAN	
EQUIP : PROG :		EQ : DATA:START: END :		FAULT : FALSE: FAULT ISOLATE :		MAINT : SAMPLE:	
ID :		PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM :		I LRU : X:LRUS :		NUMERIC: SIZE :	
185	1	5	2	0174		570	2
185	3	5	5	0276	0876	1.200	
188	1	1	1	0174		.600	
188	3	5	5	0276	0876	.550	
189	1	2	1	0976		.600	
189	1	2	2	0174		.570	1
189	3	2	5	0976		.860	
35	2	16	2	0178		8.700	
1	2	3	3	1276	0977	.744	50

CATEGORY		RADAR		MAINTAINABILITY PARAMETER		YMAX(95%) ORGAN	
EQUIP : PROG :		EQ : DATA:START: END :		FAULT : FALSE: FAULT ISOLATE :		MAINT : SAMPLE:	
ID :		PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM :		I LRU : X:LRUS :		NUMERIC: SIZE :	
174	1	1	1	0174		3.000	
174	1	2	2	0174		3.900	
174	3	3	3	1276	1276	2.200	49
174	3	3	3	1276	1276	.660	258
178	3	3	3	1276	1276	2.500	40
178	3	3	3	1276	1276	.650	248

MAINTAINABILITY COMPARISON DATA

CATEGORY		RADAR		MAINTAINABILITY PARAMETER		MAX(90%) SUBORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:						REMARKS	
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS : NUMERIC: SIZE :							
10	2	9	2	:0178	:	:300	
11	2	9	2	:0178	:	:300	
12	2	9	2	:0178	:	:280	
13	2	2	2	:0178	:	:190	
14	2	3	2	:0178	:	:200	
15	2	21	2	:0178	:	:150	
16	2	21	2	:0178	:	:190	
17	2	2	2	:0178	:	:480	
27	2	23	2	:0178	:	:300	
29	2	1	2	:0178	:	:240	
1	2	1	1	:	:	:500	
1	2	2	2	:	:	:330	
1	2	3	:0476	:0977	:	:067	1A : INTEGRATED MISSION AVIONICS MAINTAINABILITY DEMONSTRATION TEST IN THE AVIONICS INTEGRATION LABRATORY.
2	2	1	1	:1077	:	:500	
2	2	2	2	:0178	:	:320	
2	2	3	3	:1077	:	:320	
3	2	12	2	:0178	:	:260	

MAINTAINABILITY COMPARISON DATA

CATEGORY		RADAR										MAINTAINABILITY PARAMETER		MMAX(90%) ORGAN	
EQUIP : PROG : EQ : DATA : START : END : FAULT : FALSE : FAULT ISOLATE : MAINT : SAMPLE :															
ID : PHASE : TYPE : TYPE : DATE : DATE : DETECT : ALARM : I : LHU : X : LRUS : NUMERIC : SIZE :														REMARKS	
10	2	9	2			0178								1.290	
10	2	9	2											1.210	ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
11	2	9	2			0178								1.340	
11	2	9	2											1.130	ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
12	2	9	2			0178								1.270	
13	2		2			0178								2.500	
13	2		2											2.400	ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
14	2	3	2			0178								3.400	
15	2	21	2			0178								1.320	
15	2	21	2											1.200	ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
16	2	21	2			0178								2.300	
17	2	2	2			0178								5.900	
18	2	7	2			0178								5.800	
19	1	7	2			0178								3.800	
20	2	7	2			0178								7.400	
22	2	12	2			0178								.280	
23	2	22	2			0178								5.800	
24	2	23	2			0178								1.950	
25	2	24	2			0178								2.400	
27	2	23	2			0178								1.380	
28	2	16	2			0178								1.010	

MAINTAINABILITY COMPARISON DATA

CATEGORY				RADAR				MAINTAINABILITY PARAMETER				MMAX (90%) ORGAN			
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSF: FAULT ISOLATE : MAINT : SAMPLE:															
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS : NUMERIC: SIZE :															
29	2	1	2			:0178								.990	
33	2	22	2			:0178								3.200	
34	2	2	2			:0178								2.100	
35	2	16	2			:0178								12.000	
1	2	1	1											2.700	
1	2	2	2											1.690	
1	2	3	3	1276	0977									1.530	50
1	2	3	3	0476	0977									1.290	50
: INTEGRATED MISSION AVIONICS MAINTAINABILITY DEMONSTRATION TEST IN THE															
: AVIONICS INEGRATION LABRATORY.															
2	2	1	1			:1077								2.200	
2	2	2	2			:0178								2.800	
2	2	3	3			:1077								1.880	50
3	2	12	2			:0178								.490	
4	2	22	2			:0178								5.100	
5	2	2	2			:0178								3.000	
6	2	5	2			:0178								5.900	
7	2	7	2			:0178								2.200	
8	2	7	2			:0178								2.100	
9	2	3	2			:0178								3.700	

MAINTAINABILITY COMPARISON DATA

CATEGORY		RADAR		MAINTAINABILITY PARAMETER		MMAX(90%) ORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:							
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS : NUMERIC: SIZE :							
10	2	9	2	:	:	1.290	
10	2	9	2	:	:	1.210	:ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
11	2	9	2	:	:	1.340	
11	2	9	2	:	:	1.130	:ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
12	2	9	2	:	:	1.270	
13	2	:	2	:	:	2.500	
13	2	:	2	:	:	2.400	:ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
14	2	3	2	:	:	3.400	
15	2	21	2	:	:	1.320	
15	2	21	2	:	:	1.200	:ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.
16	2	21	2	:	:	2.300	
17	2	2	2	:	:	5.900	
18	2	7	2	:	:	5.800	
19	1	7	2	:	:	3.800	
20	2	7	2	:	:	7.400	
22	2	12	2	:	:	.280	
23	2	22	2	:	:	5.800	
24	2	23	2	:	:	1.950	
25	2	24	2	:	:	2.400	
27	2	23	2	:	:	1.380	
28	2	16	2	:	:	1.010	

MAINTAINABILITY COMPARISON DATA

: CATEGORY	RADAR				MAINTAINABILITY PARAMETER				MEAN PREVENT TIME
: EQUIP : PROG : EQ :	DATA:START:	END :	FAULT :	FALSE :	FAULT ISOLATE :	MAINT :	SAMPLE:		REMARKS
: ID : PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:	ALARM :	I LRU :	X:LRUS :	NUMERIC:	SIZE :		
: 174 : 1 :	: 1 :	: 0174 :	: :	: :	: 1.300 :	: :	: :	: PER SYSTEM SPEC SS-ESCD-72-2.M(MAX)PT INDICATED.	

: CATEGORY	RADAR				MAINTAINABILITY PARAMETER				MMP/FP/OPER HR
: EQUIP : PROG : EQ :	DATA:START:	END :	FAULT :	FALSE :	FAULT ISOLATE :	MAINT :	SAMPLE:		REMARKS
: ID : PHASE:TYPE:	TYPE: DATE:	DATE:DETECT:	ALARM :	I LRU :	X:LRUS :	NUMERIC:	SIZE :		
: 250 : 1 :	: 4 :	: 0772 :	: 1174 :	: :	: 5.400 :	: 8 :	: CAT I.		
: 257 : 1 :	: 5 :	: 0772 :	: 1174 :	: :	: 8.400 :	: 10 :	: CAT I		
: 259 : 1 :	: 25 :	: 0772 :	: 1174 :	: :	: 2.700 :	: 7 :	: CAT I		
: 260 : 1 :	: 25 :	: 0772 :	: 1174 :	: :	: 4.000 :	: 8 :	: CAT I		
: 261 : 1 :	: 25 :	: 0772 :	: 1174 :	: :	: 5.500 :	: 7 :	: CAT I		
: 262 : 1 :	: 21 :	: 0772 :	: 1174 :	: :	: 3.600 :	: 6 :	: CAT I		
: 263 : 1 :	: 1 :	: 0772 :	: 1174 :	: :	: 5.200 :	: 4 :	: CAT I		
: 264 : 1 :	: 3 :	: 0772 :	: 1174 :	: :	: 2.000 :	: 2 :	: CAT I.		
: 265 : 1 :	: 2 :	: 0772 :	: 1174 :	: :	: 12.100 :	: 9 :	: CAT I		
: 272 : 1 :	: 21 :	: 0772 :	: 1174 :	: :	: 5.700 :	: 3 :	: CAT I		
: 275 : 1 :	: 2 :	: 0772 :	: 1174 :	: :	: 3.200 :	: 3 :	: CAT I		
: 364 : 1 :	: 25 :	: 0776 :	: 0876 :	: :	: .020 :	: :	: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XHEN (2) X1/14.5.		
: 365 : 1 :	: 25 :	: 0776 :	: 0876 :	: :	: .009 :	: :	: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XHEN (2) X1/14.5.		
: 366 : 1 :	: 25 :	: 0776 :	: 0876 :	: :	: .011 :	: :	: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XHEN (2) X1/14.5.		
: 367 : 1 :	: 25 :	: 0776 :	: 0876 :	: :	: .019 :	: :	: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XHEN (2) X1/14.5.		

MAINTAINABILITY COMPARISON DATA

CATEGORY		RADAR		MAINTAINABILITY PARAMETER		MMH/FH/OPER HR		REMARKS	
EQUIP : PROC :		EQ : DATA:START: END : FAULT :		FALSE: FAULT ISOLATE :		MAINT : SAMPLE:			
ID :		PHASE:TYPE: TYPE: DATE: DATE: DETECT:ALARM :		1 LRU :		X:LRUS : NUMERIC: SIZE :			
368	1	21	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
369	1	1	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
370	1	3	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
371	1	3	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
372	1	3	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
373	1	26	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
375	1	12	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
376	1	17	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
377	1	12	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
378	1	12	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
379	1	12	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
380	1	12	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
381	1	1	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
382	1	9	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
383	1	3	4	:0776	:0876			: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
1	2	1						: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
1	2	2						: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
2	2	1		:0178				: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	
2	2	2		:0178				: IOT&E.M-NUM=ESTIMATE=MTTR (ORGAN)XMFEN (2) X1/14.5.	

MAINTAINABILITY COMPARISON DATA

CATEGORY	RADAR				MAINTAINABILITY PARAMETER				MEAN DOWN TIME
	EQUIP	PROG	EQ	DATA:START:END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE:
	ID	PHASE	TYPE	DATE:DETECT:ALARM	1	LRU	X:LRUS	NUMERIC	SIZE
174	3		5	0276 :0876				7.000	
									ASSESSMENT BASED ON FIELD DATA FROM 02/76 TO 08/76.

CATEGORY	RADAR				MAINTAINABILITY PARAMETER				BIT ON LINE/AUTO
	EQUIP	PROG	EQ	DATA:START:END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE:
	ID	PHASE	TYPE	DATE:DETECT:ALARM	1	LRU	X:LRUS	NUMERIC	SIZE
1	2		1	0476 :0977	97.0		90.0	3: 95.0:	.000
1	2		3	1276 :0977	99.9		90.0	3: 96.0:	.000
1	2		3	0476 :0977	97.0		91.0	3: 95.0:	.000
2	2		1	1077 :98.0			90.0	3: 95.0:	.000
2	2		2	1077 :90.0				3: 79.0:	.000
2	2		3	1077 :				3: 88.0:	.000
2	2		3	1077 :93.0			63.0	3: 84.0:	.000

UNIT RELIABILITY DEMONSTRATION FLIGHT TEST.

INTEGRATED MISSION AVIONICS MAINTAINABILITY DEMONSTRATION TEST IN THE AVIONICS INTEGRATION LABRATORY.

ORICIONAL REQUIREMENT

MAINTAINABILITY DEMONSTRATION TEST.

BIT EFFECTIVENESS DEMONSTRATION TEST.

CATEGORY	COMMUNICATIONS				MAINTAINABILITY PARAMETER				MTTR SUBORGAN
	EQUIP	PROG	EQ	DATA:START:END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE:
	ID	PHASE	TYPE	DATE:DETECT:ALARM	1	LRU	X:LRUS	NUMERIC	SIZE
138	1		2					.320	
67	2		1	0876				.250	
67	2		2	0178				.230	

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMMUNICATIONS		MAINTAINABILITY PARAMETER		MTTR SUBORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE :		ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS : NUMERIC: SIZE :				REMARKS	
67	2	3	:0576 :0676			.250	54
68	2	1	:0876			.250	
68	2	3	:0676 :0676			.220	50
69	2	9	1			.250	
69	2	9	2			.230	
83	2	2	:0178			.320	

CATEGORY		COMMUNICATIONS		MAINTAINABILITY PARAMETER		MTTR ORGAN	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE :		ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS : NUMERIC: SIZE :				REMARKS	
112	2	2				.740	
115	2	1				1.210	
115	2	2				.840	
136	2	1				.790	
136	2	2				.550	
138	1	2				.650	
139	1	7	2			1.060	
140	1	9	2			.340	
141	1	12	2			.930	
142	1	16	2			1.050	

MAINTAINABILITY COMPARISON DATA

CATEGORY			COMMUNICATIONS			MAINTAINABILITY PARAMETER			MTR ORCA:		
EQUIP : PROG : EQ :			DATA: START: END :			FAULT : FALSE: FAULT ISOLATE :			MAINT : SAMPLE:		
ID :			PHASE: TYPE: TYPE: DATE: DATE: DETECT: ALARM :			1 LRU : X: LRUS : NUMERIC: SIZE :			REMARKS		
143	1	15	2	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
144	1	1	2	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
145	1	1	2	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
146	1	4	2	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
147	2	:	1	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
147	2	:	2	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
155	2	:	1	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
155	2	:	2	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
202	1	:	1	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
202	1	:	3	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
67	2	:	1	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
67	2	:	2	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
67	2	:	3	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
68	2	:	1	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
68	2	:	3	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
69	2	:	9	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
69	2	:	9	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
70	2	:	9	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
70	2	:	9	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
71	2	:	1	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
71	2	:	1	:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:
				:	:	:	:	:	:	:	:

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMMUNICATIONS				MAINTAINABILITY PARAMETER				MTTR ORGAN	
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:										REMARKS	
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS :NUMERIC: SIZE :											
72	2	4	1								.790
72	2	4	2								.710
73	2	16	2								.640
74	2		1								4.200
74	2		2								3.100
74	2		3								3.300
83	2		1								1.400 50
83	2		2								1.040
84	2		1								.400
84	2		2								.280
95	2		1								.840
95	2		2								.580
98	2		1								1.130
98	2		2								.780

CATEGORY		COMMUNICATIONS				MAINTAINABILITY PARAMETER				MCT ORGAN	
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:										REMARKS	
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS :NUMERIC: SIZE :											
104	2	7	2								.335
105	2	12	2								.340

MAINTAINABILITY COMPARISON DATA

CATEGORY				COMMUNICATIONS				MAINTAINABILITY PARAMETER				NCT ORGAN				REMARKS			
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : PAINT :SAMPLE:				ID : PHAS:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS :NUMERIC: SIZE :															
106	2	7	2																
107	2	7	2																
108	2	7	2																
109	2	21	2																
110	2	1	2																
111	2	1	2																
202	1		1	0873	1173														
202	1		3	0873	1173														
341	1		2		0174														
342	1	12	2	1073	1273														
343	1	12	2		0174														
346	1	4	2	1073	1273														
353	2	12	6	1175	0176														
353	2	12	6	0376	0576														
356	2	12	6	1175	0176														
360	2	4	6	1175	0176														
360	2	4	6	0376	0576														
361	2	4	4	0276	0376														
362	2	4	6	1175	0176														
362	2	4	6	0376	0576														
99	2	12	2		1274														

MAINTAINABILITY COMPARISON DATA

CATEGORY	COMMUNICATIONS				MAINTAINABILITY PARAMETER				NCI	INTER
EQUIP : PROG : EQ :	DATA:START:	END :	FAULT :	FALSE:	FAULT ISOLATE :	MAINT :	SAMPLE :			
ID :	PHASE:TYPE:	TYPE:	DATE:	DATE:DFTECT:	ALARM :	1 LRU :	X:LRUS :	NUMERIC:	SIZE :	REMARKS
341 :	1 :	2 :	:0174 :	:	:	:	:	.617 :	:	:

CATEGORY	COMMUNICATIONS				MAINTAINABILITY PARAMETER				MAX(95%)	ORGAN
EQUIP : PROG : EQ :	DATA:START:	END :	FAULT :	FALSE:	FAULT ISOLATE :	MAINT :	SAMPLE :			
ID :	PHASE:TYPE:	TYPE:	DATE:	DATE:DFTECT:	ALARM :	1 LRU :	X:LRUS :	NUMERIC:	SIZE :	REMARKS
202 :	1 :	3 :	:0873 :	1173 :	:	:	:	.600 :	:	:

CATEGORY	COMMUNICATIONS				MAINTAINABILITY PARAMETER				MAX(90%)	SUBORGAN
EQUIP : PROG : EQ :	DATA:START:	END :	FAULT :	FALSE:	FAULT ISOLATE :	MAINT :	SAMPLE :			
ID :	PHASE:TYPE:	TYPE:	DATE:	DATE:DFTECT:	ALARM :	1 LRU :	X:LRUS :	NUMERIC:	SIZE :	REMARKS
138 :	1 :	2 :	:	:	:	:	:	.360 :	:	:
67 :	2 :	1 :	:0876 :	:	:	:	:	.500 :	:	:
67 :	2 :	2 :	:0178 :	:	:	:	:	.230 :	:	:
67 :	2 :	3 :	:0576 :	0676 :	:	:	:	.300 :	54 :	:
68 :	2 :	1 :	:0876 :	:	:	:	:	.500 :	:	:
68 :	2 :	3 :	:0676 :	0676 :	:	:	:	.300 :	50 :	:
69 :	2 :	9 :	:	:	:	:	:	.500 :	:	:
69 :	2 :	9 :	:	:	:	:	:	.230 :	:	:
83 :	2 :	2 :	:0178 :	:	:	:	:	.360 :	:	:

MAINTAINABILITY COMPARISON DATA

CATEGORY			COMMUNICATIONS			MAINTAINABILITY PARAMETER			MMAX(90%) ORGAN		
EQUIP : PROG : EQ : DATA: START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:											
ID : PHASE: TYPE: TYPE: DATE: DATE: DETECT: ALARM : LRU : X: LRU: NUMERIC: SIZE :											
112	2	2									
115	2	1									
115	2	2									
136	2	1									
136	2	2									
138	1	2									
139	1	7	2								
140	1	9	2								
141	1	12	2								
142	1	16	2								
143	1	15	2								
144	1	1	2								
145	1	1	2								
146	1	4	2								
147	2	1									
147	2	2									
155	2	1									
155	2	2									
67	2	1	0876								
67	2	2	0178								
67	2	3	0576 : 0676								

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMMUNICATIONS				MAINTAINABILITY PARAMETER		MAX (90%) ORGAN	
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:									
ID	PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS : NUMERIC: SIZE :							REMARKS	
68	2	1	:0876				1.600		
68	2	3	:0676 :0676				.510	50	
69	2	9	1				1.680		
69	2	9	2				.660		
70	2	9	1	:0478			1.550		
70	2	9	2	:0478			.600		
71	2	1	1				1.340		
71	2	1	2				.510		
72	2	4	1				1.270		
72	2	4	2				.710		
73	2	16	2				.640		
74	2	1	:0178				8.800		
74	2	2	:0178				4.100		
83	2	1					3.500	50	
83	2	2	:0178				2.000		
84	2	1					.780		
84	2	2					.400		
95	2	1					1.380		
95	2	2					.710		
98	2	1					2.100		
98	2	2					1.100		

MAINTAINABILITY COMPARISON DATA

CATEGORY				COMMUNICATIONS				MAINTAINABILITY PARAMETER				REMARKS			
EQUIP : PROC : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:				ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : 1 LRU : X:LRUS : NUMERIC: SIZE :											
112	2	1													
112	2	2													
115	2	1													
115	2	2													
136	2	1													
136	2	2													
138	1	1													
138	1	2													
147	2	1													
147	2	2													
155	2	1													
155	2	2													
279	1	4													
280	1	4													
282	1	4													
284	1	4													
290	1	3													
291	1	4													
324	1	4													
325	1	7													
67	2	1													

MAINTAINABILITY COMPARISON DATA

CATEGORY				COMMUNICATIONS				MAINTAINABILITY PARAMETER				MMH/FH/OPER HR				REMARKS			
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:				ID :PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :															
67	2	2	2	0178															
83	2	1	1	0178															
83	2	2	2	0178															
84	2	1	1																
84	2	2	2																
95	2	1	1																
95	2	2	2																
96	2	1	1																
98	2	2	2																

CATEGORY				COMMUNICATIONS				MAINTAINABILITY PARAMETER				BIT ON LINE/AUTO				REMARKS			
EQUIP : PROG : EQ : DATA:START: END :FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:				ID :PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : I LRU : X:LRUS :NUMERIC: SIZE :															
112	2	2	2	95.6															
99	2	12	2	1276	34.0														

MAINTAINABILITY COMPARISON DATA

CATEGORY		COMMUNICATIONS				MAINTAINABILITY PARAMETER			BIT OFF LINE/HANUAL	
EQUIP : PROG : EQ : DATA:START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:										
ID : PHASE:TYPE: TYPE: DATE: DATE:DETECT:ALARM : LRU : X:LRUS :NUMERIC: SIZE :								REMARKS		
103	2	2	1274	91.4	80.2	3	99.9	.000		
104	2	7	1274		92.0	3	99.9	.000		
105	2	12	1274		00.0	3	99.9	.000		
106	2	7	1274		80.0	3	99.9	.000		
107	2	7	1274		95.0	3	99.9	.000		
108	2	7	1274		95.0	3	99.9	.000		
109	2	21	1274		65.0	3	70.0	.000		
110	2	1	1274		99.9	3		.000		
111	2	1	1274		88.0	3	99.9	.000		
115	2	2	0478	95.9	87.8	3	95.8	.000		
136	2	2	0478	94.0	89.8	3	99.9	.000		
137	2	4	0478	94.0	89.8	3	99.9	.000		
147	2	2	0478	98.3	97.3	3	99.9	.000		
155	2	2		94.9	89.7	3	95.1	.000		
67	2	2		97.0	90.0	3	95.0	.000		
83	2	1		94.0	85.0	3	95.0	.000		
83	2	2		95.7	88.5	3	97.8	.000		
84	2	2	0478	99.7	93.7	3	99.9	.000		
95	2	2	0478	97.3	69.2	3	99.9	.000		
96	2	2	0478	94.9	82.2	3	99.9	.000		
99	2	12	1274	70.0	00.0	3	00.0	.000		

THIS PAGE INTENTIONALLY LEFT BLANK

EQUIPMENT MAINTAINABILITY DATA

SECTION 4

DETAILED LISTINGS
MAINTAINABILITY DATA BY
EQUIPMENT CATEGORY AND DATA TYPE

DETAILED LISTINGS

BY CATEGORY AND EQUIPMENT ID

Section 4 contains detailed listings of maintainability data contained in the RCM automated database. Included are maintainability numerics experienced during field operation, simulated operation and demonstration tests. Also included are specified, allocated and predicted maintainability numerics.

Entries in this section are organized first by category and data type. The data are organized in this manner that the reader may readily compare maintainability numerics at the equipment category level.

A complete explanation of the terms and abbreviations used in the detailed listings may be found in the Usage Guide, pages 4-3 to 4-5.

THIS PAGE INTENTIONALLY LEFT BLANK

USAGE GUIDE

The description given below applies to the computer listings of this section. The circled numbers shown in the sample tabulation form below refer to the explanatory text that follows. A few minutes familiarizing oneself with the information supplied below will aid user interpretation of the data contained herein.

MAINTAINABILITY COMPARISON DATA

CATEGORY ①		COMMUNICATIONS										MAINTAINABILITY PARAMETER ②				MTTR ORGAN	
EQUIP		PROG	EQ	DATA	START	END	FAULT	FALSE	FAULT	ISOLATE	MAINT	SAMPLE					REMARKS
ID		PMASK	TYPE	TYPE	DATE	DATE	DETECT	ALARM	LRU	SILENUS	NUMERIC	SIZE					③
①	④	⑤	⑥	⑦	⑧	⑨	⑩	⑪	⑫	⑬	⑭	⑮					

- ① CATEGORY. Denotes the general functional purpose of the overall equipment as usually defined at the Set equipment level.
- ② DATA TYPE. The source of the maintainability data.
- ③ EQUIP ID. The unique identifier assigned to an equipment.
- ④ PROG PHASE. Program Phase. The codes for Program Phase are:
- 1 Development
 - 2 Production
 - 3 Operational
- ⑤ MAINT PARAM. Maintainability Parameter. Identifies the specific parameter for which this data is a measure. The codes for MAINT PARAM are:

1 MTTR Suborganizational	7 M _{MAX} (95%) Suborganizational
2 MTTR Organizational	8 M _{MAX} (95%) Organizational
3 MTTR Intermediate	9 M _{MAX} (95%) Intermediate
4 M _{CT} Suborganizational	10 M _{MAX} (90%) Suborganizational
5 M _{CT} Organizational	11 M _{MAX} (90%) Organizational
6 M _{CT} Intermediate	12 M _{MAX} (90%) Intermediate

13 M_{PT}
14 MMH/FH/OP HR
15 Mean Downtime

16 BIT ON-LINE/AUTO
17 BIT OFFLINE/MANUAL

- ⑥ EQ TYPE. Equipment Type. Denotes the specific functional purpose of the detailed equipment as usually defined at the Group or Unit equipment level. The codes for EQ TYPE are:

01 Power Supply	15 Multiplexer/Demultiplexer
02 Transmitter	16 Interconnection/Distribution
03 Receiver	17 Converter D/A or A/D
04 Transceiver	18 Filter
05 Antenna	19 Inertial Reference
06 Amplifier, Audio	20 Stellar Reference
07 Amplifier, RF	21 Frequency/Timing Generator
08 Amplifier, Video	22 Cooling/Pressurizing
09 Computer	23 Test Circuitry
10 Memory	24 Alarm
11 I/O Device	25 Signal/Data Processor
12 Indicator/Control	26 Miscellaneous
13 Modulator/Demodulator	27 Transducer
14 Coder/Decoder	

- ⑦ START DATE. Start date of test or period of concern (MMYY).

- ⑧ END DATE. End date of test or period of concern. If the start and end dates of the test are unknown, then the date on the source documentation is coded in this field (MMYY).

- ⑨ FAULT DETECT. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of detecting a given fault.

- ⑩ FALSE ALARM. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of indicating a fault when none exists.

- ⑪ FAULT ISOLATE 1 LRU. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of isolating a given fault to a single Line Replaceable Unit (LRU) or Shop Replaceable Unit (SRU).
- ⑫ FAULT ISOLATE X. Applicable only when MAINT PARAM is 16 or 17. This field denotes the LRU or SRU group size to which the probability listed in field FAULT ISOLATE LRUs applies.
- ⑬ FAULT ISOLATE LRUs. Applicable only when MAINT PARAM is 16 or 17. This field denotes the probability of isolating a given fault to X LRUs or SRUs.
- ⑭ MAINT NUMERIC. The numeric value, in hours, of the maintainability parameter. Applicable for all MAINT PARAM except 16 or 17.
- ⑮ SAMPLE SIZE. The number of maintenance actions on which the applicable numeric is based.
- ⑯ REMARKS. Any additional data or background information which may be pertinent to this maintenance activity.

MAINTAINABILITY DATA BY CATEGORY

CATEGORY			COMPUTER			DATA TYPE			SPECIFIED/ALLOCATION			REMARKS	
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT :SAMPLE:			ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: Y:LRUS :NUMERIC: SIZE :										
45	2	1										.200	
45	2	10										.500	
45	2	2										.750	
45	2	11										2.000	
45	2	14										.093	
46	2	2										.750	(ICU)
46	2	11										2.000	(ICU)
47	2	2	17									.440	
47	2	11	17									1.140	
48	2	2	17									.840	
48	2	11	17									2.190	
49	2	2	16									1.410	
49	2	11	16									3.800	
50	2	2	15									.620	
50	2	11	15									1.620	
51	2	2	15									.620	
51	2	11	15									1.620	
52	2	1										.230	
52	2	10										.500	
52	2	2										.600	
52	2	11										1.600	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY			COMPUTER			DATA TYPE			SPECIFIED/ALLOCATION			REMARKS		
EQUIP : PROG:HAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:			ID : PHASE:PARAM:TYPE: DATE: DATE: DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :											
52	2	2			0675						.600			:FOR DEMONSTRATION TEST PURPOSES. NOT INCLUDING CONTROL-PWR SUPPLY (IAP) :OR SYNCHRO ASSY (ATA)
52	2	11			0675						1.600			:FOR DEMONSTRATION TEST PURPOSES. NOT INCLUDING CONTROL-PWR SUPPLY (IAP) :OR SYNCHRO ASSY (ATA)
52	2	14			0178						.190			
53	2	1	16	0376	0376						.230			
53	2	10	16	0376	0376						.500			
53	2	2	16	0376	0376						.600			
53	2	11	16	0376	0376						1.600			
53	2	14	16								.011			
53	2	17	16	0376	0376	98.0				3: 95.0:	.000			
54	2	2	12								.600			
54	2	11	12								1.560			
54	2	14	12								.009			:H-.0089
55	2	14	14								.011			
57	2	2	11								.700			
57	2	11	11								1.820			
57	2	14	11								.016			
58	2	2	11								.900			
58	2	11	11								2.340			
58	2	14	11								.003			
59	2	2	11								.800			

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMPUTER		DATA TYPE				SPECIFIED/ALLOCATION		REMARKS
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :								
59	2	11	11						2.080	
59	2	14	11						.005	M=.0049
61	2	2	9						.500	
61	2	11	9						1.300	
61	2	14	9						.042	
62	2	2	12						.400	
62	2	11	12						1.040	
62	2	14	12						.007	
63	2	2	10						.500	
63	2	11	10						1.300	
63	2	14	10						.058	
64	2	2	15						.400	
64	2	11	15						1.040	
64	2	14	15						.012	
66	2	2	10						1.200	
66	2	11	10						3.100	
66	2	14	10						.022	
175	1	5	:0174						2.200	
175	1	8	:0174						6.500	
177	1	5	:0174						2.200	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMPUTER		DATA TYPE		PREDICTED		REMARKS	
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE: DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :							
45	2	1						.180	
45	2	10						.210	
45	2	2	:0476 :0476					.430	
45	2	11	:0476 :0476					.460	
45	2	14	:0178					.038	
45	2	16		98.0		90.0	3: 95.0:	.000	
47	2	2	17					.100	
47	2	11	17					.120	
48	2	2	17					.190	
48	2	11	17					.230	
49	2	2	16					.320	
49	2	11	16					.400	
50	2	2	15					.140	
50	2	11	15					.170	
51	2	2	15					.140	
51	2	11	15					.170	
52	2	1	:0178					.130	
52	2	10	:0178					.130	
52	2	2	:0178					.360	
52	2	11	:0178					.670	
52	2	2	:0675					.360	
									:FOR DEMONSTRATION TEST PURPOSES. NOT INCLUDING CONTROL-FWR SUPPLY (LAV) :
									:OR SYNCRO ASSY (ATA) :

[illegible]

MAINTAINABILITY DATA BY CATEGORY

: CATEGORY		COMPUTER				DATA TYPE				PREDICTED		REMARKS
: :												

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMPUTER		DATA TYPE		REMARKS	
EQUIP : PROC-MAINT :		EQ : START :		END : FAULT :		FALSE : FAULT ISOLATE :	
ID :		PHASE : PARAM :		TYPE : DATE :		ALARM : I LRU :	
						X LRUS :	
						FUMERIC :	
						SIZE :	
45	2	2	0476	0476		300	50
45	2	11	0476	0476		430	50
45	2	17	0476	0476	98.0	000	50
52	2	1	0675	0675		210	3
52	2	10	0675	0675		220	3
52	2	2	0675	0675		320	55
52	2	11	0675	0675		460	55
52	2	2	0675	0675		330	50
52	2	11	0675	0675		480	50
53	2	1	0376	0376		190	50
53	2	10	0376	0376		200	50
53	2	2	0376	0376		270	47
53	2	11	0376	0376		450	47
53	2	16	0376	0376		000	50
53	2	17	0376	0376	98.9	000	50
175	3	5	1276	1276		620	10
175	3	8	1276	1276		670	10
411	1	14	0973	0174		900	2

MAINTAINABILITY DATA BY CATEGORY

: CATEGORY	: COMPUTER	: DATA TYPE	: FLIGHT/FIELD TEST	: REMARKS
: EQUIP : PROC:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:				
: ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRUS :NUMERIC: SIZE :				
: 210 : 1 : 14 : 9 : 0772 : 1174 :		: 8.400 : 5 :	: CAT 1;MEAN MAINTENANCE MANHOURS.	
: 210 : 1 : 14 : 9 : 0474 : 0675 :		: 1.170 : 69 :	: DT&E-MEAN MAINTENANCE MANHOURS.	
: 218 : 1 : 14 : : 0772 : 1174 :		: 2.400 : 6 :	: CAT 1;MEAN MAINTENANCE MANHOURS.	
: 410 : 1 : 14 : : 0772 : 1174 :		: .900 : 2 :	: CAT 1;MEAN MAINTENANCE MANHOURS.	
: 411 : 1 : 14 : 25 : 0772 : 1174 :		: 9.170 : 3 :	: CAT 1;MEAN MAINTENANCE MANHOURS.	
: 292 : 1 : 14 : 9 : 0772 : 1174 :		: 4.600 : 3 :	: CAT1. MEAN MAINTENANCE MANHOURS.	
: 292 : 1 : 14 : 9 : 0474 : 0675 :		: 1.880 : 15 :	: DT&E TEST. MEAN MAINTENANCE MANHOURS.	

4-13

: CATEGORY	: COMPUTER	: DATA TYPE	: OPERATIONAL	: REMARKS
: EQUIP : PROC:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:				
: ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRUS :NUMERIC: SIZE :				
: 175 : 1 : 5 : : 0276 : 0876 :		: 3.800 :	: ASSESSMENT BASED ON FIELD DATA FROM 02/76 TO 08/76	
: 177 : 3 : 2 : 25 : 0174 : 1074 :		: 3.700 : 82 :		

: CATEGORY	: COMPUTER	: DATA TYPE	: OTHER	: REMARKS
: EQUIP : PROC:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:				
: ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRUS :NUMERIC: SIZE :				
: 210 : 1 : 1 : 9 : 1172 : 1273 :		: 6.300 : 30 :		
: 292 : 1 : 2 : 9 : 0173 : 0973 :		: 2.700 : 14 :		

CATEGORY			CONTROLS/DISPLAYS			DATA TYPE			SPECIFIED/ALLOCATION			REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE			
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1 LRU	X:LRUS	NUMERIC	SIZE		
36	2	1	12	:0178	:	:	:	:	:	.250	:	
36	2	10	12	:0178	:	:	:	:	:	.500	:	
36	2	2	12	:0178	:	:	:	:	:	.600	:	
36	2	11	12	:0178	:	:	:	:	:	1.600	:	
36	2	14	12	:0178	:	:	:	:	:	.180	:	
36	2	17	12	:	:	98.0	:	90.0	3:	95.0:	.000	:ORIGINAL REQUIREMENTS
36	2	17	12	:0478	:	:	:	75.0	3:	90.0:	.000	:REVISED REQUIREMENT
37	2	2	12	:	:	:	:	:	:	.880	:	
37	2	11	12	:	:	:	:	:	:	2.290	:	
37	2	14	12	:	:	:	:	:	:	.010	:	
38	2	2	11	:	:	:	:	:	:	.580	:	
38	2	11	11	:	:	:	:	:	:	1.510	:	
38	2	14	11	:	:	:	:	:	:	.001	:	:M=.0009
39	2	2	12	:0178	:	:	:	:	:	.450	:	
39	2	11	12	:0178	:	:	:	:	:	1.170	:	
39	2	14	12	:	:	:	:	:	:	.084	:	
43	2	2	12	:	:	:	:	:	:	.650	:	
43	2	11	12	:	:	:	:	:	:	1.690	:	
43	2	14	12	:	:	:	:	:	:	.080	:	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		CONTROLS/DISPLAYS				DATA TYPE		PREDICTED	
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :						REMARKS	
36	2	2	12	:0178	:	:	:	:	:
36	2	11	12	:0178	:	:	:	:	:
36	2	14	12	:0478	:	:	:	:	:
37	2	2	12	:	:	:	:	:	:
37	2	11	12	:	:	:	:	:	:
37	2	14	12	:	:	:	:	:	:
38	2	2	11	:	:	:	:	:	:
38	2	11	11	:	:	:	:	:	:
38	2	14	11	:	:	:	:	:	:
39	2	2	12	:0178	:	:	:	:	:
39	2	11	12	:0178	:	:	:	:	:
39	2	14	12	:	:	:	:	:	:
40	2	2	9	:	:	:	:	:	:
40	2	11	9	:	:	:	:	:	:
41	2	2	9	:	:	:	:	:	:
41	2	11	9	:	:	:	:	:	:
42	2	2	9	:	:	:	:	:	:
42	2	11	9	:	:	:	:	:	:
43	2	2	12	:	:	:	:	:	:
43	2	11	12	:	:	:	:	:	:
43	2	14	12	:	:	:	:	:	:

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		CONTROLS/DISPLAYS				DATA TYPE		DEMONSTRATED		REMARKS
EQUIP	PROG:MAINT:	EQ	START:	END	FAULT	FALSE:	FAULT ISOLATE	MAINT	SAMPLE:	
ID	PHASE:PARAM:	TYPE:	DATE:	DATE:	DETECT:	ALARM:	1 LRU:	X:LRUS	NUMERIC:	SIZE:
36	2	2	12	0275	0375				.400	50
36	2	11	12	0275	0375				.600	50
36	2	17	12	0874	0874	99.9	58.8	3: 70.6:	.000	19
36	2	17	12	0275	0375	99.9	78.0	3: 94.0:	.000	50
: INITIAL MAINTAINABILITY DEMONSTRATION TEST (FAILED)										
: MAINTAINABILITY DEMONSTRATION RETEST FOLLOWING SOFTWARE REWORK.										

CATEGORY		CONTROLS/DISPLAYS				DATA TYPE		FLIGHT/FIELD TEST		REMARKS	
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :									
203	1	14	12	0772	1174				8.500	2	:CAT 1;MEAN MAINTENANCE MANHOURS.
205	1	14	12	0772	1174				12.800	17	:CAT 1;MEAN MAINTENANCE MANHOURS.
208	1	14	12	0772	1174				9.000	3	:CAT 1;MEAN MAINTENANCE MANHOURS.
212	1	14	12	0772	1174				20.200	10	:CAT 1;MEAN MAINTENANCE MANHOURS
213	1	14	12	0772	1174				5.700	1	:CAT 1;MEAN MAINTENANCE MANHOURS
215	1	14	12	0772	1174				1.000	1	:CAT 1;MEAN MAINTENANCE MANHOURS
216	1	14	12	0772	1174				2.700	2	:CAT 1;MEAN MAINTENANCE MANHOURS
220	1	14	12	0772	1174				3.140	5	:CAT 1;MEAN MAINTENANCE MANHOURS.
309	1	14		0772	1174				4.000	3	:CAT 1.
310	1	14	25	0772	1174				3.100	1	:CAT1 TEST. MEAN MAINTENANCE MANHOURS.
312	1	14	12	0772	1174				4.500	12	:CAT 1
314	1	14	26	0772	1174				5.600	6	:CAT 1.

CATEGORY	CONTROLS/DISPLAYS				DATA TYPE	FLIGHT/FIELD TEST	REMARKS			
EQUIP	PROG:NAINT	EQ	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE	
ID	FRASE:PARAM:TYPE	DATE	DATE	DETECT	ALARM	1	LRU	X:LRUS	NUMERIC: SIZE	
327	1	14	0772	1174				3.400	1	CAT I
329	1	14	12	0772	1174			3.400	7	CAT I

4-17

MAINTAINABILITY DATA BY CATEGORY

: CATEGORY	: ECM/BA	: DATA TYPE	: FLIGHT/FIELD TEST
: EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:			REMARKS
: ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :			
: 221 : 1 : 14 : 18 : 0772 : 1174 :		: 1.500 : 1 : CAT I.	
: 231 : 1 : 14 : 0772 : 1174 :		: 1.230 : 3 : CAT I.	
: 234 : 1 : 14 : 7 : 0772 : 1174 :		: 2.000 : 1 : CAT I	
: 236 : 1 : 14 : 25 : 0772 : 1174 :		: .700 : 1 : CAT I. LESS PROGRAMMER & TUNING UNITS.	
: 238 : 1 : 14 : 0772 : 1174 :		: 2.200 : 6 : CAT I	
: 248 : 1 : 14 : 3 : 0772 : 1174 :		: 2.200 : 5 : CAT I.	
: 249 : 1 : 14 : 3 : 0772 : 1174 :		: 2.000 : 1 : CAT I	

: CATEGORY	: ECM/BA	: DATA TYPE	: OTHER
: EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:			REMARKS
: ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :			
: 221 : 2 : 2 : 18 : 0475 : 0875 :		: 6.100 : 5 :	
: 221 : 2 : 2 : 18 : 0676 : 0177 :		: 6.700 : 6 :	
: 221 : 2 : 2 : 18 : 0177 : 0377 :		: 1.800 : 2 :	

: CATEGORY	: GUIDANCE/NAVIGATION	: DATA TYPE	: SPECIFIED/ALLOCATION
: EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:			REMARKS
: ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :			
: 161 : 2 : 2 : 0875 :		: 1.200 :	
: 161 : 2 : 11 : 0875 :		: 3.200 :	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY	GUIDANCE/NAVIGATION				DATA TYPE				SPECIFIED/ALLOCATION				REMARKS
EQUIP :	PROG:MAINT :	EQ :	START :	END :	FAULT :	FALSE :	FAULT ISOLATE :	MAINT :	SAMPLE :				
ID :	PHASE:	PARAM:	TYPE:	DATE:	DATE:	DETECT:	ALARM:	1 LRU:	X:LRUS :	NUMERIC:	SIZE :		
161 :	2 :	14 :											
161 :	2 :	17 :											
162 :	2 :	5 :											
162 :	2 :	14 :											
164 :	2 :	5 :											
164 :	2 :	14 :											
165 :	2 :	2 :											
165 :	2 :	14 :											
166 :	2 :	5 :											
166 :	2 :	14 :											
167 :	2 :	5 :											
167 :	2 :	14 :											
170 :	2 :	2 :											
170 :	2 :	14 :											
171 :	2 :	2 :											
171 :	2 :	14 :											
172 :	2 :	2 :											
172 :	2 :	14 :											
173 :	2 :	2 :											
173 :	2 :	14 :											
420 :	1 :	5 :											

MAINTAINABILITY DATA BY CATEGORY

CATEGORY	GUIDANCE/NAVIGATION				DATA TYPE		SPECIFIED/ALLOCATION		REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	ISOLATE	MAINT	SAMPLE	
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1 LRU: X:LRUS	NUMERIC: SIZE	
420	1	17	0977			90.0		.000	

CATEGORY	GUIDANCE/NAVIGATION				DATA TYPE		PREDICTED		REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	ISOLATE	MAINT	SAMPLE	
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1 LRU: X:LRUS	NUMERIC: SIZE	
161	2	2	0875					.720	
161	2	11	0875					1.010	
161	2	14	0178					.108	
162	2	5						.540	
162	2	14						.008	
164	2	5	16					.680	
164	2	14	16					.001	M-.00002
165	2	2	12					.450	
165	2	14	12					.001	
166	2	5	12					.450	
166	2	14	12					.004	
167	2	5	3					.640	
167	2	14	3					.016	
170	2	2	1					.710	
170	2	14	1					.030	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		GUIDANCE/NAVIGATION				DATA TYPE		PREDICTED		REMARKS
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE :		DATE: DATE:DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :								
ID	PHASE:PARAM:TYPE	DATE	DATE:DETECT: ALARM: I LRU: X:LRUS	NUMERIC: SIZE						
171	2 : 2 : 12 :						.640 :			
171	2 : 14 : 12 :						.008 :			
172	2 : 2 : 19 :						.880 :			
172	2 : 14 : 19 :						.041 :			
173	2 : 2 : 12 :						.530 :			
173	2 : 14 : 12 :						.001 :			
	1 : 5 :						:M-.00007			
428	1 : 5 :		:1173 :				:1.000 :			
428	1 : 6 :		:1173 :				:1.000 :			
428	1 : 8 :		:1173 :				:2.000 :			
428	1 : 9 :		:1173 :				:2.000 :			
428	1 : 17 :		:1173 :			95.0	:.000 :			
428	1 : 5 :		:1173 :				:1.000 :			
428	1 : 6 :		:1173 :				:2.400 :			
428	1 : 8 :		:1173 :				:2.000 :			
428	1 : 9 :		:1173 :				:4.500 :			
420	1 : 5 :		:0977 :				:.470 :			
420	1 : 17 :		:0977 :			98.0	:.000 :			
422	1 : 6 : 26 :		:0977 :				:1.500 :			
421	1 : 6 : 19 :		:0977 :				:4.500 :			

MAINTAINABILITY DATA BY CATEGORY

CATEGORY	GUIDANCE/NAVIGATION				DATA TYPE				DEMONSTRATED				REMARKS
EQUIP	PROC:MAINT	EQ	START	END	FAULT	FALSE	FAULT	ISOLATE	MAINT	SAMPLE			
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1	LRU	X:LRUS	NUMERIC	SIZE		
161	2	2	:0775	:0775						.330	50		PER MIL-STD 471 METHOD 2
161	2	11	:0775	:0775						.520	50		PER MIL-STD 471 METHOD 2
161	2	17		:0875	99.9			96.0	3	99.9	.000	50	
420	1	5	:0777	:0877						.330			
420	1	17	:0777	:0877				99.9		.000			
422	1	6	26	:0777	:0877					1.200			
421	1	6	19	:0777	:0877					1.200			

CATEGORY	GUIDANCE/NAVIGATION				DATA TYPE				FLIGHT/FIELD TEST				REMARKS
EQUIP	PROC:MAINT	EQ	START	END	FAULT	FALSE	FAULT	ISOLATE	MAINT	SAMPLE			
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1	LRU	X:LRUS	NUMERIC	SIZE		
198	1	2	:0176	:0476						1.840	42		MANHOURS=77/MAINTENANCE ACTIONS=42
198	1	14	:0176	:0476						.032	42		MANHOURS=77/FLYING HOURS=2439
209	1	14	19	:0772	:1174					2.200	1		CAT 1
222	1	14	4	:0772	:1174					13.700	1		CAT 1;MEAN MAINTENANCE MANHOURS.
407	1	14	12	:0772	:1174					22.900	20		CAT 1;MEAN MAINTENANCE MANHOURS.
408	1	14	12	:0772	:1174					22.900	20		CAT 1;MEAN MAINTENANCE MANHOURS.
293	1	14	:0772	:1174						8.300	25		CAT 1;MEAN MAINTENANCE MANHOURS
294	1	14	7	:0772	:1174					8.540	18		CAT 1;MEAN MAINTENANCE MANHOURS
295	1	14	19	:0772	:1174					16.300	3		CAT 1;MEAN MAINTENANCE MANHOURS

MAINTAINABILITY DATA BY CATEGORY

CATEGORY	GUIDANCE/NAVIGATION				DATA TYPE		FLIGHT/FIELD TEST		REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1 LRU: X:LRUS	NUMERIC	SIZE
296	1	14	12	0772	1174			1.150	4
									CAT 1;MEAN MAINTENANCE MANHOURS.
297	1	14		0772	1174			7.520	49
									CAT 1;MEAN MAINTENANCE MANHOURS.
298	1	14	19	0772	1174			8.170	42
									CAT 1;MEAN MAINTENANCE MANHOURS.
299	1	14	12	0772	1174			3.610	7
									CAT 1;MEAN MAINTENANCE MANHOURS.
300	2	14	19	0474	0675			300	36
301	1	14	9	0772	1174			4.500	2
									CAT 1;MEAN MAINTENANCE MANHOURS.
302	1	14	9	0772	1174			5.400	3
									CAT 1 TEST;MEAN MAINTENANCE MANHOURS

CATEGORY	TEST EQUIP.				DATA TYPE		FLIGHT/FIELD TEST		REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1 LRU: X:LRUS	NUMERIC	SIZE
318	1	14		0675	0775			183	3

CATEGORY	RADAR				DATA TYPE		SPECIFIED/ALLOCATION		REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1 LRU: X:LRUS	NUMERIC	SIZE
1	2	1						250	
1	2	10						500	
1	2	2						1.000	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR		DATA TYPE		SPECIFIED/ALLOCATION		REMARKS
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :						
1	2	11					2.700	
1	2	14					6.200	
1	2	16	0476	0977	97.0	90.0	3: 95.0: .000	
2	2	1		1077			.260	
2	2	10		1077			.500	
2	2	2		0778			1.300	
2	2	11		1077			2.200	
2	2	14		0178			3.200	
2	2	16		1077	98.0	90.0	3: 95.0: .000	ORIGINAL REQUIREMENT
3	2	2	12	0178			.500	
5	2	2		0178			1.800	
10	2	2	9	0178			.630	
17	2	2	2	0178			2.600	
174	1	5	0174				1.000	PER SYSTEM SPEC SS-ESCD-72-2.
174	1	8	0174				3.000	PER SYSTEM SPEC SS-ESCD-72-2.
174	1	13	0174				1.300	PER SYSTEM SPEC SS-ESCD-72-2.M(MAX)PT INDICATED.
179	1	5	0976				.600	
183	1	5	0174				.600	
184	1	5	0174				.600	
185	1	5	5 0174				.600	
188	1	5	0174				.600	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY	RADAR				SPECIFIED/ALLOCATION				REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1 LRU: X:LRUS	NUMERIC	SIZE
189	1	5	2	0976				.600	

CATEGORY	RADAR				PREDICTED				REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	1 LRU: X:LRUS	NUMERIC	SIZE
1	2	1						.240	
1	2	10						.330	
1	2	2						.860	
1	2	11						1.690	
1	2	14						2.030	
2	2	1		0178				.240	
2	2	10		0178				.320	
2	2	2		0178				1.330	
2	2	11		0178				2.800	
2	2	14		0178				1.540	
2	2	16		1077	90.0		3: 79.0	.000	
3	2	1	12	0178				.220	
3	2	10	12	0178				.260	
3	2	2	12	0178				.380	
3	2	11	12	0178				.490	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR		DATA TYPE		PREDICTED		REMARKS	
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:									
ID	PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS :NUMERIC: SIZE :								
4	2	2	22	:0178	:	:	:	3.700	:
4	2	11	22	:0178	:	:	:	5.100	:
5	2	2	:	:0178	:	:	:	1.800	:
5	2	11	:	:0178	:	:	:	3.000	:
6	2	2	5	:0178	:	:	:	3.600	:
6	2	11	5	:0178	:	:	:	5.900	:
7	2	2	7	:0178	:	:	:	1.440	:
7	2	11	7	:0178	:	:	:	2.200	:
8	2	2	7	:0178	:	:	:	1.440	:
8	2	11	7	:0178	:	:	:	2.100	:
9	2	2	3	:0178	:	:	:	2.300	:
9	2	11	3	:0178	:	:	:	3.700	:
10	2	1	9	:0178	:	:	:	.240	:
10	2	10	9	:0178	:	:	:	.300	:
10	2	2	9	:0178	:	:	:	.700	:
10	2	11	9	:0178	:	:	:	1.290	:
10	2	11	9	:	:	:	:	1.210	:
11	2	1	9	:0178	:	:	:	.230	:
11	2	10	9	:0178	:	:	:	.300	:
11	2	2	9	:0178	:	:	:	.700	:
11	2	11	9	:0178	:	:	:	1.340	:

:ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR		DATA TYPE				PREDICTED		REMARKS
EQUIP ID	PROG:MAINT: EQ	START: DATE	END: DATE	FAULT: DETECT	FALSE: ALARM	1 LRU: X:LRUS	MAINT: NUMERIC	SAMPLE: SIZE		
11	2	11	9					1.130	:ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.	
12	2	1	9	:0178				.260		
12	2	10	9	:0178				.280		
12	2	2	9	:0178				.710		
12	2	11	9	:0178				1.270		
13	2	1		:0178				.160		
13	2	10		:0178				.190		
13	2	2		:0178				1.240		
13	2	11		:0178				2.500		
13	2	11						2.400	:ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.	
14	2	1	3	:0178				.160		
14	2	10	3	:0178				.200		
14	2	2	3	:0178				1.610		
14	2	11	3	:0178				3.400		
15	2	1	21	:0178				.150		
15	2	10	21	:0178				.150		
15	2	2	21	:0178				.800		
15	2	11	21	:0178				1.320		
15	2	11	21					1.200	:ECP 361 MARITIME SURVEILLANCE CAPABILITY ENHANCEMENT.	
16	2	1	21	:0178				.160		
16	2	10	21	:0178				.190		

MAINTAINABILITY DATA BY CATEGORY

CATEGORY			RADAR			DATA TYPE			PREDICTED			REMARKS		
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE :			ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :											
	16	2	2	21	:	:	:	:	:	:	:	:	1.230	
	16	2	11	21	:	:	:	:	:	:	:	:	2.300	
	17	2	1	2	:	:	:	:	:	:	:	:	.320	
	17	2	10	2	:	:	:	:	:	:	:	:	.480	
	17	2	2	2	:	:	:	:	:	:	:	:	2.600	
	17	2	11	2	:	:	:	:	:	:	:	:	5.900	
	18	2	2	7	:	:	:	:	:	:	:	:	3.300	
	18	2	11	7	:	:	:	:	:	:	:	:	5.800	
	19	2	2	7	:	:	:	:	:	:	:	:	2.200	
	19	1	11	7	:	:	:	:	:	:	:	:	3.800	
	20	2	2	7	:	:	:	:	:	:	:	:	3.900	
	20	2	11	7	:	:	:	:	:	:	:	:	7.400	
	22	2	2	12	:	:	:	:	:	:	:	:	.280	
	22	2	11	12	:	:	:	:	:	:	:	:	.280	
	23	2	2	22	:	:	:	:	:	:	:	:	4.000	
	23	2	11	22	:	:	:	:	:	:	:	:	5.800	
	24	2	2	23	:	:	:	:	:	:	:	:	1.100	
	24	2	11	23	:	:	:	:	:	:	:	:	1.950	
	25	2	2	24	:	:	:	:	:	:	:	:	1.300	
	25	2	11	24	:	:	:	:	:	:	:	:	2.400	
	27	2	1	23	:	:	:	:	:	:	:	:	.240	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR				DATA TYPE				PREDICTED		REMARKS
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :										
27	2	10	23		:0178						.300	
27	2	2	23		:0178						.750	
27	2	11	23		:0178						1.380	
28	2	2	16		:0178						.910	
28	2	11	16		:0178						1.010	
29	2	1	1		:0178						.240	
29	2	10	1		:0178						.240	
29	2	2	1		:0178						.600	
29	2	11	1		:0178						.990	
33	2	2	22		:0178						1.690	
33	2	11	22		:0178						3.200	
34	2	2			:0178						2.100	
34	2	11			:0178						2.100	
35	2	5	16		:0178						8.700	
35	2	11	16		:0178						12.000	
174	1	5		:0174							1.300	:PER SYSTEM SPEC SS-ESCD-72-2. N(MAX)PT INDICATED.
174	1	8		:0174							3.900	
179	1	5		:0174							.390	9
185	1	5	5	:0174							.570	2
189	1	5	2	:0174							.570	1

PER SYSTEM SPEC SS-ESCD-72-2. N(MAX)PT INDICATED.

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR		DATA TYPE		DEMONSTRATED		REMARKS
EQUIP	PROG:MAINT: EQ	START: END	FAULT	FALSE	FAULT ISOLATE	MAINT	SAMPLE	
ID	PHASE:PARAM:TYPE	DATE	DATE:DETECT	ALARM	1 LRU: X:LRUS	NUMERIC	SIZE	
1	2	5	:1276 :0977	:	:	:	.744	50
1	2	2	:1276 :0977	:	:	:	.972	50
1	2	11	:1276 :0977	:	:	:	1.530	50
1	2	1	:0476 :0977	:	:	:	.017	18
1	2	10	:0476 :0977	:	:	:	.067	18
1	2	2	:0476 :0977	:	:	:	.940	50
1	2	11	:0476 :0977	:	:	:	1.290	50
1	2	16	:1276 :0977	99.9	90.0	3:	.000	50
1	2	16	:0476 :0977	97.0	91.0	3:	.000	
2	2	1	:	:	:	:	.120	
2	2	10	:1077	:	:	:	.320	
2	2	2	:1077	:	:	:	1.300	50
2	2	11	:1077	:	:	:	1.880	50
2	2	2	:0877 :0977	:	:	:	1.040	12
2	2	16	:	:	:	3:	.000	50
2	2	16	:	:	63.0	3:	.000	
174	3	8	:1276 :1276	:	:	:	2.200	49
174	3	8	:1276 :1276	:	:	:	.660	58

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR		DATA TYPE		DEMONSTRATED		REMARKS
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :						
174	3	5	1276	1276		1.610	49	:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER. TOTAL SYSTEM EXCEPT PHASE SHIFTERS.
174	3	5	1276	1276		.510	58	:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER.
178	3	8	1276	1276		2.500	40	:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER. RADAR SUBSYSTEM EXCEPT PHASE SHIFTERS.
178	3	8	1276	1276		.650	48	:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER. RADAR SUBSYSTEM.
178	3	5	1276	1276		1.820	40	:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER. RADAR SUBSYSTEM EXCEPT PHASE SHIFTERS.
178	3	5	1276	1276		.500	48	:R/M/A DEMO TEST FROM 12-1-76 TO 12-16-76 BY SACRAMENTO AIR LOGISTICS :CENTER. RADAR SUBSYSTEM.

CATEGORY		RADAR		DATA TYPE		FLIGHT/FIELD TEST	
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :		REMARKS			
250	1	14	0772	1174		5.400	8 :CAT I.
257	1	14	5 0772	1174		8.400	10 :CAT I
259	1	14	25 0772	1174		2.700	7 :CAT I
260	1	14	25 0772	1174		4.000	8 :CAT I
261	1	14	25 0772	1174		5.500	7 :CAT I
262	1	14	21 0772	1174		3.600	6 :CAT I
263	1	14	1 0772	1174		5.200	4 :CAT I

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR		DATA TYPE		FLIGHT/FIELD TEST		REMARKS
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :						
264	1	14	3	0772	1174		2.000	2 :CAT 1.
265	1	14	2	0772	1174		12.100	9 :CAT 1
272	1	14	21	0772	1174		5.700	3 :CAT 1
275	1	14	2	0772	1174		3.200	3 :CAT 1
364	1	2	25	0776	0876		.143	:IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=2.5HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT=2.2/0.9HR. FOR MTR EQ SEE SEQ #2.
364	1	3	25	0776	0876		.009	:IOT&E M-NUM=ESTIMATE-TOTAL LABOR HRX(SPU FR/TOTAL GP B FR)%.DIRECT :LABOR =2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
364	1	14	25	0776	0876		.020	:IOT&E.M-NUM=ESTIMATE=MTTR(ORGAN)XHEN(2) X1/14.5.
365	1	2	25	0776	0876		.065	:IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=2.1HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTR EQ SEE SEQ #2.
365	1	3	25	0776	0876		.005	:IOT&E M-NUM=ESTIMATE-TOTAL LABOR HRX(NCU FR/TOTAL GP B FR)%. DIRECT :LABOR =2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
365	1	14	25	0776	0876		.009	:IOT&E.M-NUM=ESTIMATE=MTTR(ORGAN)XHEN(2) X1/14.5.
366	1	2	25	0776	0876		.078	:IOT&E.M-NUM=ESTIMATE.DIRECT LABOR = 2.8HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTR EQ SEE SEQ #2.
366	1	3	25	0776	0876		.077	:IOT&E M-NUM=ESTIMATE-TOTAL LABOR HRX(IFP FR/TOTAL GP B FR)%. DIRECT :LABOR =4.0HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
366	1	14	25	0776	0876		.011	:IOT&E.M-NUM=ESTIMATE=MTTR(ORGAN)XHEN(2) X1/14.5.
367	1	2	25	0776	0876		.139	:IOT&E.M-NUM=ESTIMATE.DIRECT LABOR = 3.3HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTR EQ SEE SEQ #2.
367	1	3	25	0776	0876		.135	:IOT&E M-NUM=ESTIMATE-TOTAL LABOR HRX(FSCU FR/TOTAL GP B FR)%. DIRECT :LABOR =3.0 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =0.9HR.
367	1	14	25	0776	0876		.019	:IOT&E.M-NUM=ESTIMATE=MTTR(ORGAN)XHEN(2) X1/14.5.
368	1	2	21	0776	0876		.440	:IOT&E.M-NUM=ESTIMATE.DIRECT LABOR=3.2HR & BASED ON MAINT ACTIONS. :INDIRECT LABOR MATURE/IDEAL BIT =2.2/0.9HR. FOR MTR EQ SEE SEQ #2.

CATEGORY	RADAR	DATA TYPE	FLIGHT/FIELD TEST
EQUIP : PROG:MAINT: EQ : START: END : FAULT :	:	: FALSE:	:
ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRRUS :	:	: NUMERIC: SIZE :	:
368 : 1 : 3 : 21 : 0776 : 0876 :	:	: .604 :	: TOTSE M-NUM=ESTIMATE-TOTAL LABOR HRX(EFS FR/TOTAL GP B FR)Z.DIRECT LABOR -6.5HR & BASED ON MAINT ACTIONS. INDIRECT LABOR =-0.9HR.
368 : 1 : 14 : 21 : 0776 : 0876 :	:	: .061 :	: TOTSE.M-NUM=ESTIMATE-MTRR(ORGAN)XMEN(2) XI/14.5.
369 : 1 : 2 : 1 : 0776 : 0876 :	:	: .073 :	: TOTSE.M-NUM+ESTIMATE-DIRECT LABOR=-2.3HR & BASED ON MAINT ACTIONS. INDIRECT LABOR MATURE/IDEAL BIT -2.2/O.9HR. FOR MTRR EQ SEE SEQ #2.
369 : 1 : 3 : 1 : 0776 : 0876 :	:	: .072 :	: TOTSE M-NUM=ESTIMATE-TOTAL LABOR HRX(CPSU FR/TOTAL GP B FR)Z.DIRECT LABOR -3.5HR & BASED ON MAINT ACTIONS.INDIRECT LABOR -0.9HR.
369 : 1 : 14 : 1 : 0776 : 0876 :	:	: .010 :	: TOTSE.M-NUM=ESTIMATE-MTRR(ORGAN)XMEN(2) XI/14.5.
370 : 1 : 2 : 3 : 0776 : 0876 :	:	: .103 :	: TOTSE.M-NUM=ESTIMATE. DIRECT LABOR = 5.IHR & BASED ON MAINT ACTIONS. INDIRECT LABOR MATURE/IDEAL BIT -1.7/I.OHR. FOR MTRR EQ SEE SEQ #2.
370 : 1 : 3 : 3 : 0776 : 0876 :	:	: .040 :	: TOTSE M-NUM=ESTIMATE-TOTAL LABOR HRX(BR FR/TOTAL GP B FR)Z. DIRECT LABOR -1.9 HR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.7HR.
370 : 1 : 14 : 3 : 0776 : 0876 :	:	: .014 :	: TOTSE.M-NUM=ESTIMATE-MTRR(ORGAN)XMEN(2) XI/14.5.
371 : 1 : 2 : 3 : 0776 : 0876 :	:	: .115 :	: TOTSE.M-NUM=ESTIMATE-DIRECT LABOR=-11.6HR & BASED ON MAINT ACTIONS. INDIRECT LABOR MATURE/IDEAL BIT -1.7/I.OHR. FOR MTRR EQ SEE SEQ #2.
371 : 1 : 3 : 3 : 0776 : 0876 :	:	: .035 :	: TOTSE M-NUM=ESTIMATE-TOTAL LABOR HRX(FAR FR/TOTAL GP B FR)Z.DIRECT LABOR -3.2HR & BASED ON MAINT ACTIONS. INDIRECT LABOR -0.7.
371 : 1 : 14 : 3 : 0776 : 0876 :	:	: .016 :	: TOTSE.M-NUM=ESTIMATE-MTRR(ORGAN)XMEN(2) XI/14.5.
372 : 1 : 2 : 3 : 0776 : 0876 :	:	: .803 :	: TOTSE.N-NUM=ESTIMATE.DIRECT LABOR=-4.OHR & BASED ON MAINT ACTIONS. INDIRECT LABOR MATURE/IDEAL BIT -1.7/I.OHR. FOR MTRR EO SEE SEQ #2.
372 : 1 : 3 : 3 : 0776 : 0876 :	:	: .790 :	: TOTSE N-NUM=ESTIMATE-TOTAL LABOR HRX(LBR FR/TOTAL GP B FR)Z.DIRECT LABOR -4.7HR & BASED ON MAINT ACTIONS.INDIRECT LABOR -0.9HR.
372 : 1 : 14 : 3 : 0776 : 0876 :	:	: .111 :	: TOTSE.M-NUM=ESTIMAT-MTRR(ORGAN)XMEN(2) XI/14.5.
373 : 1 : 2 : 26 : 0776 : 0876 :	:	: .064 :	: TOTSE.M-NUM=ESTIMATE-DIRECT LABOR = 3.4HR & BASED ON MAINT ACTIONS. INDIRECT LABOR MATURE/IDEAL BIT -2.2/O.9HR. FOR MTRR EQ SEE SEQ #2.
373 : 1 : 3 : 26 : 0776 : 0876 :	:	: .018 :	: TOTSE M-NUM=ESTIMATE-TOTAL LABOR HRX(LBS FR/TOTAL GP B FR)Z.DIRECT LABOR -0.9HR & BASED ON MAINT ACTIONS.INDIRECT LABOR -0.7HR.

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR		DATA TYPE		FLIGHT/FIELD TEST		REMARKS
EQUIP : ID	PROG:MAINT: EQ : PHASE:PARAM:TYPE:	START: DATE:	END : DATE:	FAULT : 1 LRU:	ISOLATE : X:LRUS :	MAINT : NUMERIC:	SAMPLE : SIZE :	
373	1	14	26	0776	0876			:TOT&E.M-NUM-ESTIMATE-MTR(ORGAN)XMEN(2) X1/14.5.
								:TOT&E.M-NUM-ESTIMATE- TOTAL LABOR HRX(CAMP FR/TOTAL CP B FR)X. DIRECT
375	1	2	12	0776	0876			:LABOR -2.1HR & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
								:TOT&E.M-NUM-ESTIMATE- SEE SEQ #1.DIRECT LABOR=5.9 HR & BASED ON MAINT
375	1	3	12	0776	0876			:ACTIONS. INDIRECT LABOR =.9HR.
								:TOT&E.M-NUM-ESTIMATE-MTR(ORGAN) XMEN(2) X 1/14.5.
375	1	14	12	0776	0876			:TOT&E.M-NUM-ESTIMATE-TOTAL LABOR HRX(DEU FR/TOTAL CP B FR)X. DIRECT
376	1	2	17	0776	0876			:LABOR -2.7HR & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
								:TOT&E.M-NUM-ESTIMATE- SEE SEQ #1. DIRECT LABOR=8.1 HR & BASED ON MAINT
376	1	3	17	0776	0876			:ACTIONS. INDIRECT LABOR = .9HR.
								:TOT&E.M-NUM-ESTIMATE-MTR(ORGAN) XMEN(2)X 1/14.5.
377	1	2	12	0776	0876			:TOT&E.M-NUM-ESTIMATE-TOTAL LABOR HRX(ACWP FR/TOTAL CP B FR)X. DIRECT
								:LABOR=2.1 & BASED ON MAIN ACTIONS.INDIRECT LABOR = 2.2HR.
377	1	3	12	0776	0876			:TOT&E.M-NUM-ESTIMATE- TOTAL LABOR HRX(ACWP FR/TOTAL CP B FR)X. DIRECT
								:LABOR -2.8 & BASED ON MAIN ACTIONS. INDIRECT LABOR =.9HR.
377	1	14	12	0776	0876			:TOT&E.M-NUM-ESTIMATE-MTR(ORGAN)XMEN(2) X1/14.5.
								:TOT&E.M-NUM-ESTIMATE.DIRECT LABOR=2.1HR & BASED ON 7 MAIN ACTIONS.IN-
378	1	2	12	0776	0876			:DIRECT LABOR =2.2HR.MTR- TOTAL LABOR HRX(PPIAC FR/TOTAL CP B FR)X.
								:TOT&E.M-NUM-ESTIMATE-TOTAL LABOR HRX(PPIAC FR/TOTAL CP B FR)X. DIRECT
378	1	3	12	0776	0876			:LABOR=6.4HR&BASED ON 7 MAIN ACTIONS. INDIRECT LABOR= .9HR.
								:TOT&E.M-NUM-ESTIMATE- MTR(ORGAN)XMEN(2)X1/14.5.
379	1	2	12	0776	0876			:TOT&E.M-NUM-ESTIMATE- TOTAL LABOR HRX(PAPIC FR/TOTAL CP B FR)X. DIRECT
								:LABOR=2.1HR & BASED ON 10 MAIN ACTIONS. INDIRECT LABOR = 2.2HR.
379	1	3	12	0776	0876			:TOT&E.M-NUM-ESTIMATE-TOTAL LABOR HRX(PAPIC FR/TOTAL CP B FR)X. DIRECT
								:LABOR -8.9 & BASED ON 10 MAIN ACTIONS. INDIRECT LABOR =.9HR.
379	1	14	12	0776	0876			:TOT&E.M-NUM-ESTIMATE- MTR(ORGAN)XMEN(2) X 1/14.5.

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		RADAR		DATA TYPE		FLIGHT/FIELD TEST	
EQUIP : PROC:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE: DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :				REMARKS	
380	1	2	12	0776	0876		: IOT&E.M-NUM=ESTIMATE= TOTAL LABOR HRX(ACPP1 FR/TOTAL GP B FR)% . DIRECT
							: LABOR -2HR & BASED ON MAIN ACTIONS. INDIRECT LABOR = 2.2HR.
380	1	3	12	0776	0876		: IOT&E.M-NUM=ESTIMATE= SEE SEQ#1. DIRECT LABOR=2.1HR & BASED ON MAINT
							: ACTIONS. INDIRECT LABOR = .9HR.
380	1	14	12	0776	0876		: IOT&E.M-NUM=ESTIMATE= MTTR(ORGAN) X MEN(2) X 1/14.5.
381	1	2	1	0776	0876		: IOT&E.M-NUM=ESTIMATE=TOTAL LABOR HRX(LU FR/ TOTAL GP B FR)% . DIRECT
							: LABOR -2.5 & BASED ON MAINT ACTIONS. INDIRECT LABOR = 2.2HR.
381	1	3	1	0776	0876		: IOT&E.M-NUM=ESTIMATE= SEE SEQ #1. DIRECT LABOR -4.5 HR & BASED ON MAINT
							: ACTIONS. INDIRECT LABOR = .9HR.
381	1	14	1	0776	0876		: IOT&E.M-NUM=ESTIMATE=MTTR(ORGAN) X MEN(2) X 1/14.5.
382	1	2	9	0776	0876		: IOT&E.5.4.4HR DIRECT LABOR.INDIRECT LABOR FOR MATURE/IDEAL BIT = 1.7/1HR:
							: MTTR IS EST.DIRECT LABOR BASED ON 6 MAIN ACTIONS. IDEAL BIT MTTR EST=.552:
382	1	3	9	0776	0876		: IOT&E.DIRECT LABOR HR -2.9,INDIRECT-.9-MTTR IS AN ESTIMATE-TOTAL LABOR
							: HR X (HAWC FR/TOTAL GP B FR)%.
382	1	14	9	0776	0876		: IOT&E.ESTIMATED VALUES=MTTR(ORGAN)X MEN(2)X1/14.5. IDEAL BIT M-NUM=.076
383	1	3	3	0776	0876		: EST NUMERIC FROM OTHER MAINTENANCE ACTIONS DURING IOT&E-BASED ON EST OF
							: 2.4HR DIRECT & .9HR.INDIRECT LABOR.
383	1	2	3	0776	0876		: EST NUMERIC FROM OTHER MAIN ACTIONS DURING IOT&E.ASSUMES BIT TO IDENTIFY:
							: FAILURE. MTTR EST=.066HR FOR BIT TO ISOLATE TO LRU.3.1 DIR & 2.3/1 INDIR:
383	1	14	3	0776	0876		: ORCAN LVI. MTTR X 2 MEN X 1/14.5 FOR MATURE BIT;.009HR FOR IDEAL BIT.
							: MTTR EST DURING IOT&E.

CATEGORY		RADAR		DATA TYPE		OPERATIONAL	
EQUIP : PROC:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE: DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :				REMARKS	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY	RADAR				DATA TYPE				OPERATIONAL				REMARKS
EQUIP	PROG	MAINT	EQ	START	END	FAULT	FALSE	FAULT	ISOLATE	MAINT	SAMPLE		
ID	PHASE	PARAM	TYPE	DATE	DATE	DETECT	ALARM	I LRU	X:LRUS	NUMERIC	SIZE		
174	3	5		0276	0876					1.500			ASSESSMENT BASED ON FIELD DATA FROM 02/76 TO 08/76
174	3	15		0276	0876					7.000			ASSESSMENT BASED ON FIELD DATA FROM 02/76 TO 08/76
183	3	5		0276	0876					.780			
185	3	5	5	0276	0876					1.200			
188	3	5		0276	0876					.550			
189	3	5	2	0976						.860			

CATEGORY	COMMUNICATIONS				DATA TYPE				SPECIFIED/ALLOCATION				REMARKS
EQUIP	PROG	MAINT	EQ	START	END	FAULT	FALSE	FAULT	ISOLATE	MAINT	SAMPLE		
ID	PHASE	PARAM	TYPE	DATE	DATE	DETECT	ALARM	I LRU	X:LRUS	NUMERIC	SIZE		
67	2	1		0876						.250			
67	2	10		0876						.500			
67	2	2		0876						1.200			
67	2	11		0876						3.000			
67	2	14		0876						.950			
68	2	1		0876						.250			
68	2	10		0876						.500			
68	2	2		0876						.600			
68	2	11		0876						1.600			
69	2	1	9							.250			

MAINTAINABILITY DATA BY CATEGORY

CATEGORY			COMMUNICATIONS				DATA TYPE		SPECIFIED/ALLOCATION		REMARKS
EQUIP : PROC:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:											
ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRUS :NUMERIC: SIZE :											
69	2	10	9							.500	
69	2	2	9							1.050	
69	2	11	9							1.680	
70	2	2	9		0478					.970	
70	2	11	9		0478					1.550	
71	2	2	1							.840	
71	2	11	1							1.340	
72	2	2	4							.790	
72	2	11	4							1.270	
74	2	2			0178					4.200	
74	2	11			0178					8.800	
83	2	2								1.400	50
83	2	11								3.500	50
83	2	14			0178					1.340	:CORE CONFIGURATION
83	2	17			94.0		85.0	3: 95.0:		.000	
84	2	2								.400	
84	2	11								.780	
84	2	14								.128	
95	2	2								.840	
95	2	11								1.380	
95	2	14								.038	

CORE CONFIGURATION

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMMUNICATIONS				DATA TYPE		SPECIFIED/ALLOCATION		REMARKS
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		DATE: DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :								
ID	PHASE:PARAM:TYPE:	DATE:	DETECT:	ALARM:	I LRU:	X:LRUS :	NUMERIC:	SIZE :		
98	2 : 2	:	:	:	:	:	1.130	:	:	
98	2 : 11	:	:	:	:	:	2.100	:	:	
98	2 : 14	:	:	:	:	:	.068	:	:	
112	2 : 14	:	:	:	:	:	.008	:	:	
115	2 : 2	:	:	:	:	:	1.210	:	:	
115	2 : 11	:	:	:	:	:	2.500	:	:	
115	2 : 14	:	:	:	:	:	.540	:	:	
136	2 : 2	:	:	:	:	:	.790	:	:	
136	2 : 11	:	:	:	:	:	1.580	:	:	
136	2 : 14	:	:	:	:	:	.054	:	:	
138	1 : 14	:	:	:	:	:	.082	:	:	
147	2 : 2	:	:	:	:	:	.710	:	:	
147	2 : 11	:	:	:	:	:	1.010	:	:	
147	2 : 14	:	:	:	:	:	.012	:	:	
155	2 : 2	:	:	:	:	:	2.900	:	:	
155	2 : 11	:	:	:	:	:	5.000	:	:	
155	2 : 14	:	:	:	:	:	.219	:	:	
202	1 : 2	:	:	:	:	:	.200	:	:	
202	1 : 5	:	:	:	:	:	.200	:	:	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMMUNICATIONS				DATA TYPE		PREDICTED		REMARKS	
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE: ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :											
67	2	1			:0178					.230	
67	2	10			:0178					.230	
67	2	2			:0178					.810	
67	2	11			:0178					1.280	
67	2	14			:0178					.052	
67	2	17				90.0	3:	95.0:		.000	
69	2	1	9							.230	
69	2	10	9							.230	
69	2	2	9							.420	
69	2	11	9							.660	
70	2	2	9		:0478					.600	
70	2	11	9		:0478					.600	
71	2	2	1							.510	
71	2	11	1							.510	
72	2	2	4							.710	
72	2	11	4							.710	
73	2	2	16							.640	
73	2	11	16							.640	
74	2	2			:0178					3.100	
74	2	11			:0178					4.100	
83	2	1			:0178					.320	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMMUNICATIONS				DATA TYPE		PREDICTED		REMARKS	
EQUIP : PROC:MAINT: EO : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:											
ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :											
83	2	10		:0178						.360	
83	2	2		:0178						1.040	
83	2	11		:0178						2.000	
83	2	14		:0178						.693	
83	2	17			95.7		88.5	3:	97.8:	.000	
84	2	2								.280	
84	2	11								.400	
84	2	14								.049	
84	2	17		:0478	99.7		93.7	3:	99.9:	.000	
95	2	2								.580	
95	2	11								.710	
95	2	14								.016	
95	2	17		:0478	97.3		69.2	3:	99.9:	.000	
98	2	2								.780	
98	2	11								1.100	
98	2	14								.097	
98	2	17		:0478	94.9		82.2	3:	99.9:	.000	
99	2	5	12	:1274						.275	
99	2	16	12	:1274	34.0		00.0	3:	00.0:	.000	
99	2	17	12	:1274	70.0		00.0	3:	00.0:	.000	
103	2	17		:1274	91.4		80.2	3:	99.9:	.000	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMMUNICATIONS				DATA TYPE				PREDICTED		REMARKS
EQUIP :		PROC:MAINT:		EQ : START:		END : FAULT :		FALSE: ISOLATE :		MAINT : SAMPLE:		
ID :		PHASE:PARAM:TYPE:		DATE:		DATE: DETECT:		ALARM: 1 LRU: X:LRUS :		NUMERIC: SIZE :		
	104	2	5	7		1274					.335	
	104	2	17	7		1274			92.0	3: 99.9:	.000	
	105	2	5	12		1274					.340	
	105	2	17	12		1274			00.0	3: 99.9:	.000	
	106	2	5	7							.325	
	106	2	17	7		1274			80.0	3: 99.9:	.000	
	107	2	5	7		1274					.325	
	107	2	17	7		1274			95.0	3: 99.9:	.000	
	108	2	5	7		1274					.325	
	108	2	17	7		1274			95.0	3: 99.9:	.000	
	109	2	5	21		1274					.325	
	109	2	17	21		1274			65.0	3: 70.0:	.000	
	110	2	5	1		1274					.315	
	110	2	17	1		1274			99.9	3: 3:	.000	
	111	2	5	1		1274					.335	
	111	2	17	1		1274			88.0	3: 99.9:	.000	
	112	2	2								.740	
	112	2	11								.760	
	112	2	14								.004	
	112	2	16			85.6			77.0	3: 97.2:	.000	
	115	2	2								.840	

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMMUNICATIONS				DATA TYPE		PREDICTED		REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: 1 LRU: X:LRUS : NUMERIC: SIZE :																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								</

MAINTAINABILITY DATA BY CATEGORY

CATEGORY		COMMUNICATIONS				DATA TYPE		PREDICTED		
EQUIP : PROG:MAINT: EQ : START: END : FAULT : FALSE: FAULT ISOLATE : MAINT : SAMPLE:		ID : PHASE:PARAM:TYPE: DATE: DATE:DETECT: ALARM: I LRU: X:LRUS : NUMERIC: SIZE :		REMARKS						
143	1	2	15						.330	
143	1	11	15						.460	
144	1	2	1						.280	
144	1	11	1						.280	
145	1	2	1						.650	
145	1	11	1						.720	
146	1	2	4						.980	
146	1	11	4						1.090	
147	2	2							.490	
147	2	11							.520	
147	2	14							.008	
147	2	17		98.3	97.3	3	99.9		.000	
155	2	2							2.000	
155	2	11							2.600	
155	2	14							.070	
155	2	17		94.9	89.7	3	95.1		.000	
341	1	6		0174					.617	
341	1	5		0174					.167	
342	1	5	12	1073					1.920	6
343	1	5	12	0174					1.000	4
346	1	5	4	1073					1.700	11

CATEGORY		COMMUNICATIONS				DATA TYPE				DEMONSTRATED				REMARKS
EQUIP	PROG:MAINT	EQ	START	END	FAULT	FALSE	FAULT	ISOLATE	MAINT	SAMPLE				
ID	PHASE:PARAM	TYPE	DATE	DATE	DETECT	ALARM	I	LRU	X:LRUS	NUMERIC	SIZE			
67	2	1	:0576	:0676	:	:	:	:	:	:.250	:54	:	:	
67	2	10	:0576	:0676	:	:	:	:	:	:.300	:54	:	:	
67	2	2	:0576	:0676	:	:	:	:	:	:.920	:52	:	:	
67	2	11	:0576	:0676	:	:	:	:	:	:1.190	:52	:	:	
68	2	1	:0676	:0676	:	:	:	:	:	:.220	:50	:	:	
68	2	10	:0676	:0676	:	:	:	:	:	:.300	:50	:	:	
68	2	2	:0676	:0676	:	:	:	:	:	:.400	:50	:	:	
68	2	11	:0676	:0676	:	:	:	:	:	:.510	:50	:	:	
74	2	2	:	:0178	:	:	:	:	:	:3.300	:	:	:	
202	1	2	:	:0873	:1173	:	:	:	:	:.192	:	:	:	
202	1	5	:	:0873	:1173	:	:	:	:	:.132	:	:	:	
202	1	8	:	:0873	:1173	:	:	:	:	:.600	:	:	:	

[illegible]

MAINTAINABILITY DATA BY CATEGORY

: CATEGORY	COMMUNICATIONS				DATA TYPE				FLIGHT/FIELD TEST			
: EQUIP :	PROG:MAINT:	EQ :	START:	END :	FAULT :	FALSE:	FAULT ISOLATE :	MAINT :	SAMPLE:	REMARKS		
: ID :	PHASE:PARAM:	TYPE:	DATE:	DATE:	DETECT:	ALARM:	I LRU: X:LRUS :	NUMERIC:	SIZE :			
: 284 :	1 :	14 :	:0772 :	1174 :	:	:	:	18.700 :	24 :	:CAT I;MEAN MAINTENANCE MANHOURS.		
: 290 :	1 :	14 :	3 :0772 :	1174 :	:	:	:	21.500 :	10 :	:CAT I;MEAN MAINTENANCE MANHOURS.		
: 291 :	1 :	14 :	4 :0772 :	1174 :	:	:	:	16.000 :	14 :	:CAT I;MEAN MAINTENANCE MANHOURS.		
: 324 :	1 :	14 :	:0772 :	1174 :	:	:	:	3.670 :	6 :	:CAT I;MEAN MAINTENANCE MANHOURS.		
: 325 :	1 :	14 :	7 :0772 :	1174 :	:	:	:	3.670 :	6 :	:CAT I;MEAN MAINTENANCE MANHOURS.		
: 361 :	2 :	5 :	4 :0276 :	0376 :	:	:	:	.680 :	4 :			

: CATEGORY	COMMUNICATIONS				DATA TYPE				OTHER			
: EQUIP :	PROG:MAINT:	EQ :	START:	END :	FAULT :	FALSE:	FAULT ISOLATE :	MAINT :	SAMPLE:	REMARKS		
: ID :	PHASE:PARAM:	TYPE:	DATE:	DATE:	DETECT:	ALARM:	I LRU: X:LRUS :	NUMERIC:	SIZE :			
: 353 :	2 :	5 :	12 :1175 :	0176 :	:	:	:	6.350 :	4 :			
: 353 :	2 :	5 :	12 :0376 :	0576 :	:	:	:	1.250 :	1 :			
: 356 :	2 :	5 :	12 :1175 :	0176 :	:	:	:	6.980 :	7 :			
: 360 :	2 :	5 :	4 :1175 :	0176 :	:	:	:	7.080 :	23 :			
: 360 :	2 :	5 :	4 :0376 :	0576 :	:	:	:	5.360 :	11 :			
: 362 :	2 :	5 :	4 :0376 :	0576 :	:	:	:	.780 :	6 :			
: 362 :	2 :	5 :	4 :1175 :	0176 :	:	:	:	14.900 :	2 :			

THIS PAGE INTENTIONALLY LEFT BLANK

EQUIPMENT DATA

SECTION 5

PROGRAM/CONTRACT
CHARACTERIZATION DATA

PROGRAM/CONTRACT CHARACTERIZATION DATA

Section 5 contains detailed listings of program and contract related data contained in the RCM automated database. Included are the following types of data, when known:

- Equipment Identification Numbers
- Contractor
- Procuring Agency
- Using Command
- Design Year
- Procurement Level
- Application
- Mission Length
- Type of Contract
- Procurement Type
- R- Financial Data
- Procurement Approach
- R&M Program Elements
- R&M Analysis and Predictions
- R&M Numerics
- Design Reviews
- Failure Reporting/Corrective Action
- R&M Demonstration
- Design Analysis
- Development Tests
- Production Inspections

Entries in this section are organized by Equipment Identification Number.

A complete description of the types of data that are considered when characterizing a program may be found in the Usage Guide, pages 5-3 to 5-9.

THIS PAGE INTENTIONALLY LEFT BLANK

USAGE GUIDE

The descriptions below apply to the computer listings in this section. The data presented are the types of data that are considered when characterizing a program.

Contract No.:	This field is masked for this publication.
System Nomenclature:	"
Subsystem Nomenclature:	"
Set Nomenclature:	"
Group Nomenclature:	"
Unit Nomenclature:	"
Prime Contractor:	"
Procuring Agency:	Indicates the agency that awarded the contract.
Using Command:	Indicates the command wherein the equipment will be deployed.
Procurement Level:	Lists the appropriate level of the equipment hardware to be delivered under the contract. The levels considered are: System Subsystem

	Set
	Group
	Unit
Application:	The type of operational application environment. The applications considered are:
	Space
	Aircraft
	Ground
	Shipboard
	Other
Mission Length:	The normal equipment operational mission length. The mission lengths considered are:
	Continuous
	>8 hours
	1 ≤ hour ≤ 8
	<1 hour
	Undefined
Life Cycle:	Lists all applicable life cycle phases covered by the contract, and the date of implementation of each respective phase. The phases considered are:
	Concept
	Validation
	Development
	Production
	Deployment

Contract Type:

Lists the basic financial structure of the contract. The structures considered are:

Design to Cost
Reliability Warranty
Cost plus Fixed Fee
Cost plus Incentive Fee
Firm Fixed Price
Fixed Price plus Incentive Fee

Procurement Type:

Lists the principal type of procurement being made. The types considered are:

Existing Design (follow-on/minimum changes)
Modified Design (substantial changes)
New Design
Equipment Maintenance Only
(contractor maintenance of fielded equipment)

Reliability Financial Posture:

Lists any reliability financial posture. The areas considered are:

Incentive Award
Reliability Effort >5 per cent of total budget
Reliability Effort <5 per cent of total budget
Not Determined

Procurement Approach:

Indicates the approach used in procuring equipment. The approaches considered are:

Low Bidder

Minimum Total Life Cycle Cost

Minimum Maintenance Support Cost

Technological

R&M Program:

Identifies each required R&M specification, its applicable revision letter, and the extent to which it is specified. The specifications considered are:

MIL-STD-470

MIL-STD-471

MIL-HDBK-472

MIL-STD-756

MIL-STD-781

MIL-STD-785

MIL-HDBK-217

RADC Notebook, Volume II

The applicable compliance codes considered are:

Contractual: full compliance required to each and every detail of the document

Limited: specific deviations from the document are stated and allowed

Guide: specific compliance is not required; however, actions are to be patterned after the document

Not Applicable: not specified

R&M Analysis and Predictions:

Indicates all of the R&M analyses performed. The types of analyses considered are:

- R analysis and prediction per MIL-STD-756/Parts Stress Analysis
- M analysis and prediction per MIL-HDBK-472. Also listed is the method number
- R analysis and prediction based upon documentation other than MIL-STD-756/Parts Count (Example: MIL-HDBK-217, Section 3)
- Other formal M based upon documentation other than MIL-HDBK-472
- Informal R analysis and prediction based upon similarity or function. Limited documentation requirements.
- Informal M analysis and prediction based upon similarity or function. Limited documentation requirements.
- No R or M analysis or prediction required.

R&M Numerics:

Indicates the applicability of the R&M numerics. The levels considered are:

- Contractual reliability (MTBF, R, A, etc.)
- Contractual maintainability (M_{CT} , (MTTR, MMH/FH, etc.)

Reliability stated as design goal only

Maintainability stated as design goal only

No reliability or maintainability requirement

Design Reviews:

Lists the frequency and formality of required design reviews. The types considered are:

Two or more formal design reviews required

One formal design review required

Informal reviews only

No requirement

Failure Reporting/Corrective Action:

Lists the extent of required reporting procedures. The types considered are:

Formal failure reporting and closed loop (Corrective Action System required)

Formal failure reporting system (no closed loop corrective action system)

Informal failure reporting system (minimum documentation required)

No requirement

R&M Demonstration:

Indicates the R&M demonstration requirements. The requirements considered are:

Formal R demonstration test requirements in accordance with MIL-STD-781. Also listed are the test plan and test level.

Formal M demonstration test requirements in accordance with MIL-STD-471. Also listed is test method.

Other R demonstration test requirements

Other M demonstration test requirements

No requirement

Design Analysis:

Indicates all of the applicable types of design analyses specifically required by the contract. The analyses considered are:

FMEA/FMECA

Fault Tree Analysis

Worst-Case Electrical Design Analysis

Thermal Analysis

Other

Development Tests:

Indicates all of the R&M tests required during the development phase. The tests considered are:

Design qualification tests
Environmental qualification
tests
R growth tests
Competitive fly-off

Production Inspection:

Indicates all contractually
specified inspection method-
ology(ies). The methodolo-
gies considered are:

Sample incoming inspection
100 per cent acceptance test
Process screening
R verification per MIL-STD-
781

*****PROGRAM CHARACTERIZATION*****

RECORD ID'S 1 THRU 173
 CONTRACTOR 00044
 DESIGN YEAR 70
 PROCUREMENT LEVEL SYSTEM
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PROCUREMENT TYPE NEW DESIGN

R&M PROGRAM ELEMENTS	REVISION	APPLICABILITY
MIL-STD-470		CONTRACTURAL
MIL-STD-471		CONTRACTURAL
MIL-HDBK-472		CONTRACTURAL
MIL-STD-756		LIMITED
MIL-STD-781		CONTRACTURAL
MIL-HDBK-217	A	GUIDE
RADC NOTEBOOK		GUIDE

R&M ANALYSIS & PREDICTIONS
 R-756 PART STRESS PREDICTION
 M-472 PROCEDURE

R&M NUMERICS
 CONTRACT MTBF
 CONTRACT MTTR

DESIGN REVIEWS
 >= 2 FORMAL

FAILURE REPORTING / CORRECTIVE ACTION
 FORMAL FRACAS REQ'T

R/M DEMONSTRATION
 R-781 TEST PLAN 03 LEVEL E
 M-471 TEST METHOD 2

DESIGN ANALYSIS
 FMEA/FMECA

DEVELOPMENT TESTS
 RELIABILITY GROWTH

PRODUCTION INSPECTION
 ACCEPTANCE TEST

RECORD ID'S 174 THRU 197
 CONTRACTOR 00317
 PROCURING AGENCY ESD
 DESIGN YEAR 73
 PROCUREMENT LEVEL SYSTEM
 APPLICATION GROUND
 MISSION LENGTH CONTINUOUS
 PROCUREMENT TYPE NEW DESIGN

R&M PROGRAM ELEMENTS	REVISION	APPLICABILITY
MIL-STD-470		CONTRACTURAL
MIL-STD-471		CONTRACTURAL
MIL-HDBK-472		CONTRACTURAL
MIL-STD-781		CONTRACTURAL
MIL-STD-785		CONTRACTURAL
RADC NOTEBOOK		CONTRACTURAL

R&M ANALYSIS & PREDICTIONS
 R-756 PART STRESS PREDICTION
 M-472 PROCEDURE

R&M NUMERICS
 CONTRACT MTBF
 CONTRACT MTTR

DESIGN REVIEWS
 >= 2 FORMAL

*****PROGRAM CHARACTERIZATION*****

RECORD ID'S 198 THRU 201
 CONTRACTOR 00071
 APPLICATION AIRCRAFT
 TYPE OF CONTRACT RIW
 PROCUREMENT TYPE EQUIP. MAINT.
 PROCUREMENT LEVEL SET

RECORD ID'S 202
 CONTRACTOR 00147
 PROCURING AGENCY RADC
 PROCUREMENT LEVEL SET
 APPLICATION GROUND
 MISSION LENGTH CONTINUOUS

R&M PROGRAM ELEMENTS REVISION APPLICABILITY
 MIL-STD-781 A CONTRACTURAL
 RADC NOTEBOOK GUIDE

R/M DEMONSTRATION
 R-781 TEST PLAN 4A LEVEL

RECORD ID'S 203 THRU 329,407 THRU 412
 CONTRACTOR 00477
 PROCURING AGENCY USAF
 USING COMMAND TAC
 DESIGN YEAR 70
 PROCUREMENT LEVEL SYSTEM
 APPLICATION AIRCRAFT
 PROCUREMENT TYPE NEW DESIGN
 R FINANCIAL POSTURE NOT DETERMINED
 PROCUREMENT APPROACH TECHNOLOGICAL

R&M PROGRAM ELEMENTS REVISION APPLICABILITY
 MIL-STD-756 GUIDE
 MIL-STD-781 R CONTRACTURAL
 MIL-STD-785 CONTRACTURAL
 MIL-HDBK-217 GUIDE
 RADC NOTEBOOK GUIDE

R&M ANALYSIS & PREDICTIONS
 R-756 PART STRESS PREDICTION
 R PARTS COUNT
 OTHER FORMAL M

R&M NUMERICS
 CONTRACT MTBF

DESIGN REVIEWS
 >= 2 FORMAL

FAILURE REPORTING / CORRECTIVE ACTION
 FORMAL REPORT ONLY

R/M DEMONSTRATION
 R-781 TEST PLAN 3F LEVEL X

DESIGN ANALYSIS
 FMFA/FMECA
 THERMAL

DEVELOPMENT TESTS
 DESIGN QUALIFICATION

PRODUCTION INSPECTION
 SAMPLE INSPECTION
 ACCEPTANCE TEST
 PROCESS SCREENING
 781 PRVT

*****PROGRAM CHARACTERIZATION*****

RECORD ID'S 423 THRU 427
 CONTRACTOR 00835
 PROCURING AGENCY USAF
 USING COMMAND TAC
 PROCUREMENT LEVEL SET
 APPLICATION AIRCRAFT

RECORD ID'S 330 THRU 336
 CONTRACTOR 00207
 PROCURING AGENCY USAF
 USING COMMAND TAC
 PROCUREMENT LEVEL SET
 APPLICATION AIRCRAFT

R&M PROGRAM ELEMENTS	REVISION	APPLICABILITY
MIL-STD-781	B	LIMITED
MIL-STD-785	A	LIMITED
MIL-HDBK-217	A	LIMITED
RADC NOTEBOOK		

P&M ANALYSIS & PREDICTIONS
 R PARTS COUNT

P&M NUMERICS
 CONTRACT MTBF

FAILURE REPORTING / CORRECTIVE ACTION
 FORMAL REPORT ONLY

P/M DEMONSTRATION
 R-781 TEST PLAN 03 LEVEL F

DESIGN ANALYSIS
 THERMAL

DEVELOPMENT TESTS
 ENVIRONMENTAL QUALIFICATION

RECORD ID'S 337 THRU 340
 CONTRACTOR 00071
 PROCURING AGENCY ASD
 USING COMMAND VARIOUS
 DESIGN YEAR 72
 PROCUREMENT LEVEL SET
 APPLICATION AIRCRAFT
 MISSION LENGTH 1 TO 8 HRS.
 PROCUREMENT TYPE NEW DESIGN
 PROCUREMENT APPROACH MINIMUM LCC

R&M PROGRAM ELEMENTS	REVISION	APPLICABILITY
MIL-STD-471		CONTRACTURAL
MIL-STD-781	B	CONTRACTURAL
RADC NOTEBOOK		CONTRACTURAL

R&M ANALYSIS & PREDICTIONS
 R-756 PART STRESS PREDICTION
 N-472 PROCEDURE

R&M NUMERICS
 CONTRACT MTBF

FAILURE REPORTING / CORRECTIVE ACTION
 FORMAL FRACAS REQ'T

R/M DEMONSTRATION
 R-781 TEST PLAN 26 LEVEL E

DEVELOPMENT TESTS
 DESIGN QUALIFICATION
 ENVIRONMENTAL QUALIFICATION
 RELIABILITY GROWTH

*****PROGRAM CHARACTERIZATION*****

RECORD ID'S 347 THRU 350
 CONTRACTOR 00324
 PROCURING AGENCY ASD
 USING COMMAND VARIOUS
 DESIGN YEAR 72
 PROCUREMENT LEVEL SET
 APPLICATION AIRCRAFT
 MISSION LENGTH 1 TO 8 HRS.
 PROCUREMENT TYPE NEW DESIGN
 PROCUREMENT APPROACH MINIMUM LCC

R&M PROGRAM ELEMENTS REVISION APPLICABILITY
 MIL-STD-781 B

R&M ANALYSIS & PREDICTIONS
 R-756 PART STRESS PREDICTION
 M-472 PROCEDURE

R&M NUMERICS
 CONTRACT MTBF

FAILURE REPORTING / CORRECTIVE ACTION
 FORMAL FRACAS REQ'T

R/M DEMONSTRATION
 R-781 TEST PLAN 26 LEVEL E

DEVELOPMENT TESTS
 DESIGN QUALIFICATION
 ENVIRONMENTAL QUALIFICATION
 RELIABILITY GROWTH

RECORD ID'S 413 THRU 419
 CONTRACTOR 00869
 PROCURING AGENCY USAF
 USING COMMAND TAC
 DESIGN YEAR 73
 PROCUREMENT LEVEL SYSTEM
 APPLICATION AIRCRAFT

RECORD ID'S 351 THRU 362, 351A, 352A, 356A, 357A, 360A
 CONTRACTOR 00207
 PROCURING AGENCY ASD
 USING COMMAND VARIOUS
 DESIGN YEAR 72
 PROCUREMENT LEVEL SET
 APPLICATION AIRCRAFT
 MISSION LENGTH 1 TO 8 HRS.
 PROCUREMENT TYPE NEW DESIGN
 PROCUREMENT APPROACH MINIMUM LCC

R&M PROGRAM ELEMENTS REVISION APPLICABILITY
 MIL-STD-471 CONTRACTURAL
 MIL-STD-781 CONTRACTURAL
 RADC NOTEBOOK CONTRACTURAL

R&M ANALYSIS & PREDICTIONS
 R-756 PART STRESS PREDICTION
 M-472 PROCEDURE

R&M NUMERICS
 CONTRACT MTBF

FAILURE REPORTING / CORRECTIVE ACTION
 FORMAL FRACAS REQ'T

R/M DEMONSTRATION
 R-781 TEST PLAN 26 LEVEL 2

DEVELOPMENT TESTS
 DESIGN QUALIFICATION
 ENVIRONMENTAL QUALIFICATION
 RELIABILITY GROWTH

*****PROGRAM CHARACTERIZATION*****

RECORD ID'S	363 THRU 373
CONTRACTOR	00160
PROCURING AGENCY	AFLC
DESIGN YEAR	74
PROCUREMENT LEVEL	UNIT/COMPONENT
APPLICATION	AIRCRAFT
R&M PROGRAM ELEMENTS	REVISION APPLICABILITY
MIL-STD-781	B CONTRACTURAL
R&M NUMERICS	
CONTRACT MTBF	
R/M DEMONSTRATION	
R-781	TEST PLAN 29 LEVEL E
PRODUCTION INSPECTION	
781 PRVT	
RECORD ID'S	374 THRU 381
CONTRACTOR	00781
PROCURING AGENCY	AFLC
DESIGN YEAR	74
PROCUREMENT LEVEL	UNIT/COMPONENT
APPLICATION	AIRCRAFT
R&M PROGRAM ELEMENTS	REVISION APPLICABILITY
MIL-STD-781	CONTRACTURAL
R&M NUMERICS	
CONTRACT MTBF	
R/M DEMONSTRATION	
R-781	TEST PLAN 29 LEVEL E
PRODUCTION INSPECTION	
781 PRVT	
RECORD ID'S	382
CONTRACTOR	00409
PROCURING AGENCY	AFLC
PROCUREMENT LEVEL	UNIT/COMPONENT
APPLICATION	AIRCRAFT
MISSION LENGTH	1 TO 8 HRS.
R&M PROGRAM ELEMENTS	REVISION APPLICABILITY
MIL-STD-781	B CONTRACTURAL
R&M NUMERICS	
CONTRACT MTBF	
R/M DEMONSTRATION	
R-781	TEST PLAN 29 LEVEL E
RECORD ID'S	383
CONTRACTOR	00160
PROCURING AGENCY	AFLC
DESIGN YEAR	74
PROCUREMENT LEVEL	UNIT/COMPONENT
APPLICATION	AIRCRAFT
MISSION LENGTH	1 TO 8 HRS.
R&M PROGRAM ELEMENTS	REVISION APPLICABILITY
MIL-STD-781	B CONTRACTURAL
R&M NUMERICS	
CONTRACT MTBF	
R/M DEMONSTRATION	
R-781	TEST PLAN 29 LEVEL E

*****PROGRAM CHARACTERIZATION*****

RECORD ID'S	384 THRU 387
CONTRACTOR	00838
PROCURING AGENCY	USAF
USING COMMAND	AFSC/ASD
PROCUREMENT LEVEL	SET
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
TYPE OF CONTRACT	RIW
PROCUREMENT TYPE	NEW DESIGN
R FINANCIAL POSTURE	R INCENTIVE AWARD
PROCUREMENT APPROACH	TECHNOLOGICAL

R&M PROGRAM ELEMENTS	REVISION	APPLICABILITY
MIL-HDBK-217	B	CONTRACTURAL

R&M ANALYSIS & PREDICTIONS
R-756 PART STRESS PREDICTION

R&M NUMERICS
CONTRACT MTBF

DEVELOPMENT TESTS
FLYOFF

RECORD ID'S	388 THRU 390
CONTRACTOR	00071
PROCUREMENT LEVEL	SET
APPLICATION	GROUND

RECORD ID'S	397 THRU 402.397A THRU 402A
CONTRACTOR	00409
PROCURING AGENCY	NAVY
DESIGN YEAR	68
PROCUREMENT LEVEL	SET
APPLICATION	AIRCRAFT

PRODUCTION INSPECTION
781 PRVT

RECORD ID'S	403 THRU 406
CONTRACTOR	00345
PROCURING AGENCY	NAVY
DESIGN YEAR	72
PROCUREMENT LEVEL	SET
APPLICATION	SHIPBOARD

R&M PROGRAM ELEMENTS	REVISION	APPLICABILITY
MIL-STD-781	B	CONTRACTURAL

*****PROGRAM CHARACTERIZATION*****

RECORD ID'S 428 THRU 439
 CONTRACTOR 00489
 DESIGN YEAR 73
 PROCUREMENT LEVEL SET
 APPLICATION AIRCRAFT
 MISSION LENGTH 1 TO 8 HRS.
 TYPE OF CONTRACT CPIF
 PROCUREMENT TYPE NEW DESIGN

R&M PROGRAM ELEMENTS	REVISION	APPLICABILITY
MIL-STD-470	-	GUIDE
MIL-STD-471	-	CONTRACTURAL
MIL-HDBK-472	-	CONTRACTURAL
MIL-STD-781	B	CONTRACTURAL
MIL-STD-785	A	GUIDE
RADC NOTEBOOK	-	LIMITED

P&M ANALYSIS & PREDICTIONS
 R-756 PART STRESS PREDICTION
 M-472 PROCEDURE 3

R&M NUMERICS
 CONTRACT MTBF
 CONTRACT MTTR

DESIGN REVIEWS
 >= 2 FORMAL

FAILURE REPORTING / CORRECTIVE ACTION
 FORMAL FRACAS REQ'T

R/M DEMONSTRATION
 R-781 TEST PLAN 02 LEVEL F
 M DEMO REQUIREMENTS

DESIGN ANALYSIS
 FMEA/FMECA
 THERMAL

DEVELOPMENT TESTS
 DESIGN QUALIFICATION
 ENVIRONMENTAL QUALIFICATION

PRODUCTION INSPECTION
 ACCEPTANCE TEST

THIS PAGE INTENTIONALLY LEFT BLANK

EQUIPMENT DATA

SECTION 6

EQUIPMENT CHARACTERIZATION DATA

EQUIPMENT CHARACTERIZATION DATA

Section 6 contains detailed listings of equipment related data contained in the RCM automated database. Included are the following types of data, when known:

- Equipment Identification Numbers
- Equipment Category
- Design Year
- Mission Length
- Application
- Equipment Type
- Design Approach
- Design Technology
- Major Parameters
- Fault Tolerance Techniques
- Part Derating Guidelines
- Part Quality/Screen Class Employed
- Type of Cooling
- Self-Test Capability
- Self-Test Implementation
- Diagnostic and Replacement Level
- Fault Control Techniques
- Maintenance Concept
- Mission Criticality
- Applicable Maintenance Echelons and Skill Level
- Equipment Complexity

Entries in this section are organized by Equipment Identification Number.

A complete description of the types of data that are considered when characterizing an equipment may be found in the Usage Guide, pages 6-3 to 6-10.

THIS PAGE INTENTIONALLY LEFT BLANK

USAGE GUIDE

The descriptions below apply to the computer listings in this section. The data presented are the types of data that are considered when characterizing an equipment.

Contract No.: This field is masked for this publication.

System Nomenclature: "

Subsystem Nomenclature: "

Set Nomenclature: "

Group Nomenclature: "

Unit Nomenclature: "

Equipment Category: Denotes the General functional purpose of the overall equipment as usually defined at the Set equipment level. The categories considered are:

- 01 Computer
- 02 Controls/Displays
- 03 ECM/EW
- 04 Guidance/Navigation
- 05 Test Equipment
- 06 Radar
- 07 Software
- 08 Weapons
- 09 Communications
- 10 Sonar
- 11 Other

Design Year:	The vintage year of the equipment.
Mission Length:	<p>The normal equipment operational mission length. The mission lengths considered are:</p> <p>Continuous</p> <p>>8 hours</p> <p>$1 \leq \text{hour} \leq 8$</p> <p><1 hour</p> <p>Undefined</p>
Work Unit Code:	A code assigned by the using command that locates the equipment within a given system hierarchy. This field is masked for publication.
Manufacturer:	The manufacturer of the equipment. This field is masked for publication.
Proprietary Code:	A code that identifies the level of sensitivity of the data. This field is masked for this publication.
Design Approach:	The applicable approaches to a design are selected from Table 6-1. Each category has its unique set of approaches.

Design Technology:

The applicable technologies employed on design are selected from Table 6-2. Each category has its unique set of technologies.

Major Parameters:

The applicable parameters of a design are entered. Each category has its unique set of parameters. These categories are selected from Table 6-3.

Equipment Type:

Denotes the specific functional purpose of the type of equipment as usually defined at the Group or Unit equipment level. The equipment types considered are:

- 01 Power Supply
- 02 Transmitter
- 03 Receiver
- 04 Transceiver
- 05 Antenna
- 06 Amplifier, Audio
- 07 Amplifier, RF
- 08 Amplifier, Video
- 09 Computer
- 10 Memory
- 11 I/O Device
- 12 Indicator/Control
- 13 Modulator/Demodulator
- 14 Coder/Decoder
- 15 Multiplexer/Demultiplexer
- 16 Interconnection/Distribution
- 17 Converter D/A or A/D

- 18 Filter
- 19 Inertial Reference
- 20 Stellar Reference
- 21 Frequency/Timing Generator
- 22 Cooling/Pressurizing
- 23 Test Circuitry
- 24 Alarm
- 25 Signal/Data Processor
- 26 Miscellaneous
- 27 Transducer

Application:

The type of operational application environment. The applications considered are:

Space
Aircraft
Ground
Shipboard
Other

Fault Tolerance:

Indicates the methodologies employed to alleviate the consequences of failure. The fault tolerance methods considered are:

Redundant Channels or Equipment
Graceful Degradation
Degraded Modes of Operation
None

Part Derating Guidelines:

Indicates the level of stress derating employed in the equipment design. The levels considered are:

High Reliability

Intermediate ("stress" derating practices less stringent than those employed on high-reliability designs but more stringent than commercial design practices)

Commercial Design Standards

Part Quality Grade/Screen Class: All levels of quality assurance provisions applicable to part procurements for this design are indicated. The levels considered are:

JANTXV-grade semiconductors and
JAN 38510 ICs

JANTX-grade semiconductors and
IL-STD-883 screened ICs

JAN-grade semiconductors and
hermetically sealed ICs

Commercial grade semiconductors
and plastic encapsulated ICs

Type of Cooling:

Lists the type of cooling employed in the design. The types of cooling considered are:

Ambient air (normal convection)

Forced air (fan)

Liquid

Other

Self Test Capability:

The highest applicable level of self test technology employed in the design is listed. The levels considered are:

Automated BIT
Semiautomated BIT
Manual BIT
None

Diagnose To/Replacement Level:

Lists the lowest functional level to which a failure or malfunction is capable of being diagnosed and the defective item replaced. The levels considered are:

Equipment
Unit (LRU/PRU)
Assembly (SRU)
Piece Part

Self-Test Implementation:

Indicates the hardware techniques employed in the implementation of self-test in the design. The techniques considered are:

General Purpose Computer
BIT Microprocessor
Software Controlled
Hardware Controlled
Automated Printout
Manually Read Panel Indicators

Fault Control Techniques:

Indicates each of the recovery techniques used to initiate fault control in the equipment and the methodology used in implementing each of the techniques. The techniques considered are:

Automated On-Line
Automated Off-Line
Manual
None

The applicable recovery techniques are:

Reconfiguration
Fault Isolation
Fault Detection

Maintenance Concept:

Indicates the nature of the maintenance concept employed by noting both the level of maintenance activity and the extent of repair performed at each level. The maintenance levels considered are:

No Maintenance
Throw-away Maintenance
In-flight or Suborganizational Maintenance
Organizational or Flight Line
Intermediate or Shop Level
Depot or Plant Level

The repair levels considered are:

Remove and Replace
Minor Repairs
Major Repairs
None

Mission Criticality:

A measure of the indispensability of the equipment or the function performed by the equipment. It may be defined from the standpoints of mission critical, safety critical, poor historical reliability or high cost. The levels considered are:

High
Medium
Low

Complexity:

A measure of the complexity of the equipment. Quantities of the following categories are presented.

Total number of parts
Number of different generic part types
Total number of active elements
Number of tubes
Number of discrete semiconductors
Number of hybrids
Number of monolithic linear/ interface ICs
Number of SSI/MSI digital ICs
Number of LSI/memory ICs
Number of microprocessors

Table 6-1
DESIGN APPROACH

Weapons	Test Equipment	Computer Software	Controls/Display	Radar	Communications	Computer	ECM/EW	Guidance and Navigation
Conventional	Radar	Firmware	Alphanumeric	Surveillance/	Telephone	Serial	Multimode	Landing System
Nuclear	Communication	Software	Keyboard Entry	Search	Telegraph/	Parallel	Capability	Space Position
Beam	Computer	Microprogram	Multicolor	Tracking	Telex	Multiprocessor	CW	VOR/DME
Nuclear Hardened	ECM/EW		Interactive	Side Looking	Radio	DMA Channel	Pulsed	TACAN
Laser Hardened	Controls/Displays		Graphic	Terrain Following/Avoidance	Secure Communication/VOCODE	Parity Checking	Freq Scan	Infrared
Active Target Tracking	Guidance/Navigation		Head Up	FLIR	TV/Video	Error Correction	Optical	Laser
Terrain Following	Weapon		Manual	Laser	Digital Data	Cache Memory	Acoustic	Radio
	Sonar		Non-Interactive	Precision Approach	Audio/Voice	Analog		Autopilot
	Software		Automatic Control	ECM	Transponder/IFF	Digital		Loran or Omega
	General Purpose		Open Loop	Multichannel/Multifrequency	Facsimile	General Purpose		Geographic Position
			Secure	Pulse Compression	Transceiver	Dedicated		Acoustic
			Control	Doppler	Direction Finder			Attitude
			Display	Fire Control	Receiver			
			Closed Loop		Transmitter			

Table 6-2
TECHNOLOGY

Weapons	Test Equipment	Computer Software	Controls/Display	Radar	Communications	Computer	CM/EW	Guidance and Navigation
(A) <u>Guidance Type</u>	Digital	Modern Programming Practices	<u>Input/Output Medium</u>	(A) <u>RF Output Device</u>	(A) <u>PF Output Device</u>	(A) <u>External Memory Type</u>	R. <u>Output Device</u>	(A) <u>Mode</u>
Infrared	Analog	Conventional Programming	CRT	TWT	TWT	Magnetic Drum	TWT	Inertial
Laser	Portable	Higher Order Language	Projection	Magnetron	Gridded Tube	Magnetic Cassette Tape	Magnetron	Stellar
TV	Manual	Assembly Language	Mechanical	Cross Field Amp	Solid State	Other Magnetic Tape	Cross Field Amplifier	Doppler
Wire	Automated	Structured Code	Optoelectronic	Klystron	Laser	Magnetic Disc Pack	Klystron	Dead Reckoning
Ballistic	Semi-automated		Flat Panel	Twystron	(B) <u>Modulation</u>	Magnetic Floppy Disc	Twystron	Radio
(B) <u>Activation Method</u>	Dedicated		Meter	Gridded Tube	AM		Gridded Tube	(B) <u>Mechanization</u>
Impact	Universal		Printer	Solid State	FM		Solid State	Gimbaled
Altitude			Light Pen	(B) <u>Antenna Type</u>	PCM	(B) <u>Internal Memory Type</u>		Strapdown
Proximity			SERVO	Continuously Rotating	CW	Plated Wire		
Radio			Acoustic/Audio	Oscillating	SSB	Magnetic Core		
			Electromechanical	Electronically Steerable	FSK	Magnetic Bubble		
					(C) <u>Transmission Mode</u>	Semiconductor		
					Full Duplex	Hardware		
					Half Duplex			
					Simplex			
					Wide Band			
					Narrow Band			

Table 6-3
MAJOR PARAMETERS

Weapons	Test Equipment	Computer Software	Controls/Display	Radar	Communications	Computer	ECM/EW	Guidance and Navigation
Accuracy (Ft) Range (Miles)	Freq Band Freq Accuracy (ppm) No of Tests	No of Object Instructions Database Size (Words) No of Program Modules	Resolution (L/In) No of Character Lines Refresh (/Sec) Operating Speed (L/Min) Number of Keys Display Area (Sq In) No of Characters/Line No of Controls Accuracy (ppm)	Freq Band Detection Range (Miles) Peak RF Power (w) Avg RF Power (w) PRF (hz) Az Coverage/Angle (Deg) Scan Rate (/Min) Polarization Beam Width (Deg) Elev Coverage/Angle (Deg) Target Size (sqm) Antenna Gain (DB)	Freq Band Range (Miles) Peak RF Power (w) Avg RF Power (w) Simultaneous Channels Channel width (hz) Receiver Sensitivity (uv) Digital Data Rate (Max) (BAUD) Digital Data Rate (Min) (BAUD) No Selectable/Preset Transmit Freq Duty Cycle	Clock Freq (hz) Word Length (char) Memory Size (words) Interrupt Levels No of Busses Memory I/O Rate (BAUD) No of Registers No of Accumulators No of Input Ports No of Output Ports	Freq Band Range (Miles) Peak RF Power (w) Avg RF Power (w)	Position Accuracy (Ft) Range (Miles) Way Points Destinations Velocity Accuracy (Ft/Sec) Height Accuracy (Ft) Heading Accuracy (Deg) Frequency Band

ALL CATEGORIES

Weight (lbs)
Volume (cu ft)
No of Modules
Height (In)
Width (In)
Depth (In)
Power Consumption (w)

EQUIPMENT ID	1
EQUIPMENT CATEGORY	RADAR
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	FAULT DETECTION
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	
INTERMEDIATE	3	

EQUIPMENT ID	2
EQUIPMENT CATEGORY	RADAR
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
AZ COVERAGE/ANGLE (DEG)	006.0

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	FAULT DETECTION
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	70%
INTERMEDIATE	3	30%

COMPLEXITY	
TOTAL NUMBER OF PARTS	71883

ACTIVE ELEMENT COUNT	
SSI/MSI DIGITAL ICS	24030

EQUIPMENT ID 3
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00040
VOLUME (CU. FT.)	2.0E0
NO. OF MODULES	00001
HEIGHT (IN)	00048
WIDTH (IN)	00030
DEPTH (IN)	00018

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	MINOR REPAIR
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 4
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE COOLING/PRESSURIZING
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
LIQUID

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 5
 EQUIPMENT CATEGORY RADAR
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	01210

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 LIQUID

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	90%

EQUIPMENT ID 6
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE ANTENNA
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES HIGH REL.
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0

FAULT TOLERANCE
 GRACEFUL DEGRADATION

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 LIQUID

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 7
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00101
HEIGHT (IN)	00036
WIDTH (IN)	00024
DEPTH (IN)	00010

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
LIQUID

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 8
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00216
HEIGHT (IN)	00024
WIDTH (IN)	00036
DEPTH (IN)	00015

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
LIQUID

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 9
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00068
VOLUME (CU. FT.)	7.0E0
HEIGHT (IN)	00024
WIDTH (IN)	00024
DEPTH (IN)	00021
POWER CONSUMPTION (W)	2.0E2

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
LIQUID

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 10
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 11
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE COMPUTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00196
VOLUME (CU. FT.)	7.9E0

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 12
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE COMPUTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00205
VOLUME (CU. FT.)	7.9E0

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	13
EQUIPMENT CATEGORY	RADAR
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	14
EQUIPMENT CATEGORY	RADAR
EQUIPMENT TYPE	RECEIVER
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00156
VOLUME (CU. FT.)	5.5E0

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 15
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE FREQ/TIMING GENERATOR
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00074
VOLUME (CU. FT.)	2.0E0

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 16
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE FREQ/TIMING GENERATOR
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00086
VOLUME (CU. FT.)	4.8E0
HEIGHT (IN)	00018
WIDTH (IN)	00021

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	17
EQUIPMENT CATEGORY	RADAR
EQUIPMENT TYPE	TRANSMITTER
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	03791
VOLUME (CU. FT.)	7.6E1

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 LIQUID

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS	
ECHelon	SKILL LEVEL
ORGANIZATION	PERSONNEL
	3
	90%

EQUIPMENT ID	18
EQUIPMENT CATEGORY	RADAR
EQUIPMENT TYPE	AMPLIFIER, RF
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 TWT
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00042
HEIGHT (IN)	00012
WIDTH (IN)	00016
DEPTH (IN)	00008

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 19
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00005
HEIGHT (IN)	00003
WIDTH (IN)	00004
DEPTH (IN)	00011

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 20
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00508
HEIGHT (IN)	00021
WIDTH (IN)	00023
DEPTH (IN)	00076

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
LIQUID

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 21
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00077
HEIGHT (IN)	00021
WIDTH (IN)	00013

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 22
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY LOW

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 23
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE COOLING/PRESSURIZING
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00036
HEIGHT (IN)	00013
WIDTH (IN)	00013
DEPTH (IN)	00006

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 LIQUID

SELF TEST CAPABILITY
 SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE NONE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 24
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE TEST CIRCUITRY
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY LOW

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE
 MANUAL
 FAULT DETECTION
 RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE NONE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 25
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE ALARM
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00031
HEIGHT (IN)	00018
WIDTH (IN)	00015
DEPTH (IN)	00008

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	FAULT DETECTION
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 26
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	FAULT DETECTION
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 27
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE TEST CIRCUITRY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY LOW

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00014
HEIGHT (IN)	00014
WIDTH (IN)	00008
DEPTH (IN)	00004

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 28
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00023
HEIGHT (IN)	00012
WIDTH (IN)	00015
DEPTH (IN)	00008

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 29
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00060
HEIGHT (IN)	00015
WIDTH (IN)	00016
DEPTH (IN)	00007

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE REMOVE & REPLACE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 30
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00747
HEIGHT (IN)	00045
WIDTH (IN)	00025
DEPTH (IN)	00035

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 31
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE FILTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00548
HEIGHT (IN)	00021
WIDTH (IN)	00023
DEPTH (IN)	00045

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 NONE

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

EQUIPMENT ID 32
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE POWER SUPPLY
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00240
HEIGHT (IN)	00031
WIDTH (IN)	00021

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

FAULT CONTROL
 AUTOMATED ON LINE NONE
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

EQUIPMENT ID 33
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE COOLING/PRESSURIZING
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00054
NO. OF MODULES	00002
HEIGHT (IN)	00015
WIDTH (IN)	00014
DEPTH (IN)	00007

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

EQUIPMENT ID 34
 EQUIPMENT CATEGORY RADAR
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 SURVEILLANCE/SEARCH
 TRACKING
 ECCM
 MULTICHANNEL/MULTIFREQUENCY
 DOPPLER

TECHNOLOGY
 KLYSTRON
 CONTINUOUSLY ROTATING
 ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00318
HEIGHT (IN)	00072
WIDTH (IN)	00090
DEPTH (IN)	00016

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE NONE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 35
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
ECCM
MULTICHANNEL/MULTIFREQUENCY
DOPPLER

TECHNOLOGY
KLYSTRON
CONTINUOUSLY ROTATING
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	S
PRF (HZ)	25000
SCAN RATE (/MIN)	006.0
WEIGHT (LBS)	00120
HEIGHT (IN)	00032
WIDTH (IN)	00021

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 36
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY
CRT

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	70%
INTERMEDIATE	3	30%

COMPLEXITY
TOTAL NUMBER OF PARTS 72000

ACTIVE ELEMENT COUNT
SSI/MSI DIGITAL ICS 29000

EQUIPMENT ID 37
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY
CRT

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 38
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE I/O DEVICE
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY
CRT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00006
VOLUME (CU. FT.) 1.6E2

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 39
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY
CRT

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS
ECHELON SKILL LEVEL PERSONNEL
ORGANIZATION 3 95%

EQUIPMENT ID 40
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY
CRT

MAJOR PARAMETERS
WEIGHT (LBS) 00010
VOLUME (CU. FT.) 6.0E2

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 41
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY
CRT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00047
VOLUME (CU. FT.)	2.6E3

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	95%

EQUIPMENT ID 42
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
KEYBOARD ENTRY

TECHNOLOGY
CRT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00032
VOLUME (CU. FT.)	1.6E3

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	43	
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS	
EQUIPMENT TYPE	INDICATOR/CONTROL	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
MISSION LENGTH	>8 HRS.	
PART DERATING GUIDELINES	INTERMEDIATE	
MISSION CRITICALITY	HIGH	
DESIGN APPROACH		
KEYBOARD ENTRY		
TECHNOLOGY		
CRT		
MAJOR PARAMETERS		VALUE
HEIGHT (IN)		00049
DEPTH (IN)		00028
FAULT TOLERANCE		
REDUNDANT CHANNELS		
PART QUALITY GRADE/SCREEN CLASS		
TX/883		
TYPE OF COOLING		
FORCED AIR (FAN)		
SELF TEST CAPABILITY		
AUTOMATED BIT		
SELF TEST IMPLEMENTATION		
GENERAL PURPOSE COMPUTER		
SOFTWARE CONTROLLED		
AUTOMATED PRINTOUT		
DIAGNOSE TO/REPLACE LEVEL		
ASSY (SRU)		
FAULT CONTROL		
AUTOMATED ON LINE	RECONFIGURATION	
AUTOMATED OFF LINE	FAULT ISOLATION	
MANUAL	RECONFIGURATION	
MAINTENANCE CONCEPT		
IN FLIGHT MAINTENANCE	NONE	
ORGANIZATIONAL	REMOVE & REPLACE	
INTERMEDIATE	NONE	
DEPOT	MAJOR REPAIR	

EQUIPMENT ID	44
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH
DESIGN APPROACH	
KEYBOARD ENTRY	
TECHNOLOGY	
CRT	
FAULT TOLERANCE	
REDUNDANT CHANNELS	
PART QUALITY GRADE/SCREEN CLASS	
TX/883	
TYPE OF COOLING	
FORCED AIR (FAN)	
SELF TEST CAPABILITY	
AUTOMATED BIT	
SELF TEST IMPLEMENTATION	
GENERAL PURPOSE COMPUTER	
SOFTWARE CONTROLLED	
AUTOMATED PRINTOUT	
DIAGNOSE TO/REPLACE LEVEL	
ASSY (SRU)	
FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION
MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 45
 EQUIPMENT CATEGORY COMPUTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 MISSION CRITICALITY MEDIUM

MAJOR PARAMETERS VALUE
 NO. OF MODULES 00005

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 AMBIENT AIR (NORMAL CONVECTION)
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL
 AUTOMATED ON LINE RECONFIGURATION
 AUTOMATED OFF LINE RECONFIGURATION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS
 ECHELON SKILL LEVEL PERSONNEL
 ORGANIZATION 3 70%
 INTERMEDIATE 3 30%

COMPLEXITY
 TOTAL NUMBER OF PARTS 05115

EQUIPMENT ID 46
 EQUIPMENT CATEGORY COMPUTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 MISSION CRITICALITY MEDIUM

MAJOR PARAMETERS VALUE
 NO. OF MODULES 00004

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL
 AUTOMATED ON LINE RECONFIGURATION
 AUTOMATED OFF LINE RECONFIGURATION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

EQUIPMENT ID	47
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	A/D OR D/A
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	48
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	A/D OR D/A
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

MAJOR PARAMETERS	VALUE
NO. OF MODULES	00001
HEIGHT (IN)	02.76
WIDTH (IN)	07.80
DEPTH (IN)	08.10

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL

AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	49
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	INTERCONNECTION/DISTRIBUTION
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

MAJOR PARAMETERS	VALUE
NO. OF MODULES	00001
HEIGHT (IN)	03.00
WIDTH (IN)	04.40
DEPTH (IN)	05.00

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL

AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MAJOR REPAIR
DEPOT	NONE

EQUIPMENT ID 50
 EQUIPMENT CATEGORY COMPUTER
 EQUIPMENT TYPE MULTIPLEXOR/DEMULTIPLEXOR
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 MISSION CRITICALITY MEDIUM

MAJOR PARAMETERS VALUE
 NO. OF MODULES 00001

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE RECONFIGURATION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE REMOVE & REPLACE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE NONE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 51
 EQUIPMENT CATEGORY COMPUTER
 EQUIPMENT TYPE MULTIPLEXOR/DEMULTIPLEXOR
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 MISSION CRITICALITY MEDIUM

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE RECONFIGURATION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE REMOVE & REPLACE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE NONE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 52
 EQUIPMENT CATEGORY COMPUTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

TECHNOLOGY
 MAGNETIC DRUM
 OTHER MAGNETIC TAPE

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL
 AUTOMATED ON LINE RECONFIGURATION
 AUTOMATED OFF LINE FAULT ISOLATION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS
 ECHELON SKILL LEVEL PERSONNEL
 ORGANIZATION 3 70%
 INTERMEDIATE 3 30%

COMPLEXITY
 TOTAL NUMBER OF PARTS 75048
 NUMBER OF DIFFERENT GENERIC PART TYPES 630

ACTIVE ELEMENT COUNT
 SSI/MSI DIGITAL ICS 15000

EQUIPMENT ID	53
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	INTERCONNECTION/DISTRIBUTION
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00175
WIDTH (IN)	00034

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	54
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	MEDIUM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	55
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	CODER/DECODER
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	56
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	I/O DEVICE
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	MEDIUM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	57
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	I/O DEVICE
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	MEDIUM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL		FAULT DETECTION
AUTOMATED ON LINE		FAULT DETECTION
AUTOMATED OFF LINE		RECONFIGURATION
MANUAL		

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	MINOR REPAIR
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	58
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	I/O DEVICE
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	MEDIUM

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT

IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 59
 EQUIPMENT CATEGORY COMPUTER
 EQUIPMENT TYPE I/O DEVICE
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY MEDIUM

TECHNOLOGY
 MAGNETIC DRUM
 OTHER MAGNETIC TAPE

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT ISOLATION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

EQUIPMENT ID 60
 EQUIPMENT CATEGORY COMPUTER
 EQUIPMENT TYPE COMPUTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

TECHNOLOGY
 MAGNETIC DRUM
 OTHER MAGNETIC TAPE

MAJOR PARAMETERS VALUE
 HEIGHT (IN) 00070
 WIDTH (IN) 00040
 DEPTH (IN) 00020

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL
 AUTOMATED ON LINE RECONFIGURATION
 AUTOMATED OFF LINE FAULT ISOLATION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

EQUIPMENT ID 61
 EQUIPMENT CATEGORY COMPUTER
 EQUIPMENT TYPE COMPUTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

TECHNOLOGY
 MAGNETIC DRUM
 OTHER MAGNETIC TAPE

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 GENERAL PURPOSE COMPUTER
 SOFTWARE CONTROLLED
 AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
 ASSY (SRU)

FAULT CONTROL
 AUTOMATED ON LINE RECONFIGURATION
 AUTOMATED OFF LINE FAULT ISOLATION
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MINOR REPAIR
 DEPOT MAJOR REPAIR

EQUIPMENT ID	62
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	63
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	MEMORY
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	64
EQUIPMENT CATEGORY	COMPUTER
EQUIPMENT TYPE	MULTIPLEXOR/DEMULTIPLEXOR
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 65
EQUIPMENT CATEGORY COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

MAJOR PARAMETERS VALUE
HEIGHT (IN) 00063
WIDTH (IN) 00024
DEPTH (IN) 00024

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 66
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE MEMORY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

TECHNOLOGY
MAGNETIC DRUM
OTHER MAGNETIC TAPE

MAJOR PARAMETERS VALUE
HEIGHT (IN) 00011
WIDTH (IN) 00018
DEPTH (IN) 00018

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

EQUIPMENT ID 67
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS VALUE
FREQ BAND L
NO. OF MODULES 00013

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL FAULT ISOLATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	70%
INTERMEDIATE	3	30%

COMPLEXITY	
TOTAL NUMBER OF PARTS	04578

ACTIVE ELEMENT COUNT	
SSI/MSI DIGITAL ICS	01200

EQUIPMENT ID	68
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS	VALUE
FREQ BAND	L
NO. OF MODULES	00006
POWER CONSUMPTION (W)	7.0E2

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	04180

ACTIVE ELEMENT COUNT	
SSI/MSI DIGITAL ICS	01200

EQUIPMENT ID	69
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	COMPUTER
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS	VALUE
FREQ BAND	L
NO. OF MODULES	00001
POWER CONSUMPTION (W)	2.7E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 70
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
NO. OF MODULES 00001

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 71
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS VALUE
FREQ BAND L

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 72
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS VALUE
FREQ BAND L
NO. OF MODULES 00001
POWER CONSUMPTION (W) 1.9E2

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID	73
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	INTERCONNECTION/DISTRIBUTION
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

VALUE
L

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MAJOR REPAIR
DEPOT	NONE

EQUIPMENT ID	74
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND
NO. OF MODULES

VALUE
L
00008

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	75
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

VALUE
L

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	76
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

VALUE
L

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	77
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

VALUE
L

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	78
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

VALUE
L

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	79
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	80
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

FAULT TOLERANCE
NONE

VALUE
L

VALUE
L

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	81
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

VALUE
L

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 82
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
DIGITAL DATA
TRANSPONDER/IFF

TECHNOLOGY
GRIDDED TUBE
PCM

MAJOR PARAMETERS
FREQ BAND

VALUE
L

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 83
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FM
SSB
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS
PEAK RF POWER (W)

VALUE
6.0E2

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS
ECHELON SKILL LEVEL PERSONNEL
ORGANIZATION 3 20%
INTERMEDIATE 3 09%

COMPLEXITY
TOTAL NUMBER OF PARTS 72752

EQUIPMENT ID 84
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
AUDIO/VOICE

MAJOR PARAMETERS
WEIGHT (LBS) VALUE
00361

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

COMPLEXITY
TOTAL NUMBER OF PARTS 15390

EQUIPMENT ID 85
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER AUDIO
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

DESIGN APPROACH
AUDIO/VOICE

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00006

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE RECONFIGURATION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 86
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
AUDIO/VOICE

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00046
HEIGHT (IN) 00038
WIDTH (IN) 00022
DEPTH (IN) 00003

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE RECONFIGURATION
MANUAL FAULT DETECTION

EQUIPMENT ID 87
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
AUDIO/VOICE

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00006

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 88
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

DESIGN APPROACH
AUDIO/VOICE

EQUIPMENT ID 90
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00005

FAULT TOLERANCE
REDUNDANT CHANNELS

DESIGN APPROACH
AUDIO/VOICE

PART QUALITY GRADE/SCREEN CLASS
TX/883

FAULT TOLERANCE
NONE

SELF TEST CAPABILITY
MANUAL BYTE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST IMPLEMENTATION
PANEL INDICATORS

TYPE OF COOLING
FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

SELF TEST CAPABILITY
MANUAL BYTE

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL FAULT DETECTION

SELF TEST IMPLEMENTATION
PANEL INDICATORS

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

EQUIPMENT ID 89
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

DESIGN APPROACH
AUDIO/VOICE

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00006

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE RECONFIGURATION
MANUAL FAULT DETECTION

EQUIPMENT ID 91
 EQUIPMENT CATEGORY COMMUNICATIONS
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE

DESIGN APPROACH
 AUDIO/VOICE

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE NONE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 92
 EQUIPMENT CATEGORY COMMUNICATIONS
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE

DESIGN APPROACH
 AUDIO/VOICE

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE NONE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 93
 EQUIPMENT CATEGORY COMMUNICATIONS
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE

DESIGN APPROACH
 AUDIO/VOICE

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE NONE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 94
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE MULTIPLEXOR/DEMULTIPLEXOR
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
AUDIO/VOICE

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00036
HEIGHT (IN)	00008
WIDTH (IN)	00010
DEPTH (IN)	00020

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 95
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
AM

MAJOR PARAMETERS	VALUE
FREQ BAND	VHF
AVG RF POWER (W)	1.5E1
WEIGHT (LBS)	00017
NO. OF MODULES	00003
HEIGHT (IN)	00009
WIDTH (IN)	00005
DEPTH (IN)	00016

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE

ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	03242

EQUIPMENT ID 96
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
AM

MAJOR PARAMETERS	VALUE
FREQ BAND	VHF
AVG RF POWER (W)	1.5E1
HEIGHT (IN)	00003
WIDTH (IN)	00006
DEPTH (IN)	00004

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 97
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
AM

MAJOR PARAMETERS	VALUE
FREQ BAND	VHF
AVG RF POWER (W)	1.5E1
WEIGHT (LBS)	00017
NO. OF MODULES	00009
WIDTH (IN)	00005
DEPTH (IN)	00016

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 98
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00302
NO. OF MODULES	00006
HEIGHT (IN)	00036
WIDTH (IN)	00023
DEPTH (IN)	00026

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	15496

EQUIPMENT ID 99
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00003
HEIGHT (IN)	00003
WIDTH (IN)	00006
DEPTH (IN)	00007

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	100
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH	
RADIO	
AUDIO/VOICE	

TECHNOLOGY	
SSB	

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	280K
WEIGHT (LBS)	00008
HEIGHT (IN)	00008
WIDTH (IN)	00006
DEPTH (IN)	00006

FAULT TOLERANCE	
NONE	

PART QUALITY GRADE/SCREEN CLASS	
TX/883	

TYPE OF COOLING	
FORCED AIR (FAN)	

SELF TEST CAPABILITY	
MANUAL BYTE	

SELF TEST IMPLEMENTATION	
PANEL INDICATORS	

DIAGNOSE TO/REPLACE LEVEL	
UNIT (LRU/PRU)	

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	101
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH	
RADIO	
AUDIO/VOICE	

TECHNOLOGY	
SSB	

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	280K

FAULT TOLERANCE	
NONE	

PART QUALITY GRADE/SCREEN CLASS	
TX/883	

TYPE OF COOLING	
FORCED AIR (FAN)	

SELF TEST CAPABILITY	
MANUAL BYTE	

SELF TEST IMPLEMENTATION	
PANEL INDICATORS	

DIAGNOSE TO/REPLACE LEVEL	
UNIT (LRU/PRU)	

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	102
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00034
HEIGHT (IN)	00008
DEPTH (IN)	00018

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	103
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00302
HEIGHT (IN)	00036
WIDTH (IN)	00023
DEPTH (IN)	00026

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	104
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	AMPLIFIER, RF
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	1.0E3
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00026
HEIGHT (IN)	00008
WIDTH (IN)	00008
DEPTH (IN)	00019

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 105
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00005
HEIGHT (IN)	00008
WIDTH (IN)	00001
DEPTH (IN)	00019

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 106
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00020
HEIGHT (IN)	00008
WIDTH (IN)	00006
DEPTH (IN)	00019

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID	107
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	AMPLIFIER, RF
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00010
HEIGHT (IN)	00008
WIDTH (IN)	00002
DEPTH (IN)	00019

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	108
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	AMPLIFIER, RF
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00011
HEIGHT (IN)	00008
WIDTH (IN)	00002
DEPTH (IN)	00019

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	109
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	FREQ/TIMING GENERATOR
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00013
HEIGHT (IN)	00008
WIDTH (IN)	00002
DEPTH (IN)	00019

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 110
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00008
HEIGHT (IN)	00008
WIDTH (IN)	00001
DEPTH (IN)	00019

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 111
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
AUDIO/VOICE

TECHNOLOGY
SSB

MAJOR PARAMETERS	VALUE
FREQ BAND	HF
PEAK RF POWER (W)	5.0E2
AVG RF POWER (W)	1.3E2
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	0280K
WEIGHT (LBS)	00038
HEIGHT (IN)	00008
WIDTH (IN)	00005
DEPTH (IN)	00019

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID	112	
EQUIPMENT CATEGORY	COMMUNICATIONS	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
MISSION LENGTH	>8 HRS.	
MISSION CRITICALITY	MEDIUM	
MAJOR PARAMETERS		VALUE
NO. OF MODULES		00002
FAULT TOLERANCE.		
NONE		
PART QUALITY GRADE/SCREEN CLASS		
TX/883		
SELF TEST CAPABILITY		
MANUAL BYTE		
SELF TEST IMPLEMENTATION		
PANEL INDICATORS		
DIAGNOSE TO/REPLACE LEVEL		
UNIT (LRU/PRU)		
FAULT CONTROL		
AUTOMATED OFF LINE	NONE	
MANUAL	FAULT DETECTION	
NONE	FAULT DETECTION	
MAINTENANCE CONCEPT		
IN FLIGHT MAINTENANCE	NONE	
ORGANIZATIONAL	REMOVE & REPLACE	
INTERMEDIATE	NONE	
DEPOT	MAJOR REPAIR	
EQUIPMENT ID	113	
EQUIPMENT CATEGORY	COMMUNICATIONS	
EQUIPMENT TYPE	INDICATOR/CONTROL	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
MISSION LENGTH	>8 HRS.	
MISSION CRITICALITY	MEDIUM	
MAJOR PARAMETERS		VALUE
NO. OF MODULES		00001
FAULT TOLERANCE		
NONE		
PART QUALITY GRADE/SCREEN CLASS		
TX/883		
SELF TEST CAPABILITY		
MANUAL BYTE		
SELF TEST IMPLEMENTATION		
PANEL INDICATORS		
DIAGNOSE TO/REPLACE LEVEL		
UNIT (LRU/PRU)		
FAULT CONTROL		
AUTOMATED ON LINE	NONE	
AUTOMATED OFF LINE	FAULT DETECTION	
MANUAL	FAULT DETECTION	
MAINTENANCE CONCEPT		
IN FLIGHT MAINTENANCE	NONE	
ORGANIZATIONAL	REMOVE & REPLACE	
INTERMEDIATE	NONE	
DEPOT	MAJOR REPAIR	

EQUIPMENT ID	114	
EQUIPMENT CATEGORY	COMMUNICATIONS	
EQUIPMENT TYPE	INDICATOR/CONTROL	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
MISSION LENGTH	>8 HRS.	
MISSION CRITICALITY	MEDIUM	
MAJOR PARAMETERS		VALUE
NO. OF MODULES		00001
FAULT TOLERANCE		
NONE		
PART QUALITY GRADE/SCREEN CLASS		
TX/883		
SELF TEST CAPABILITY		
MANUAL BYTE		
SELF TEST IMPLEMENTATION		
PANEL INDICATORS		
DIAGNOSE TO/REPLACE LEVEL		
UNIT (LRU/PRU)		
FAULT CONTROL		
AUTOMATED ON LINE	NONE	
AUTOMATED OFF LINE	FAULT DETECTION	
MANUAL	FAULT DETECTION	
MAINTENANCE CONCEPT		
IN FLIGHT MAINTENANCE	NONE	
ORGANIZATIONAL	REMOVE & REPLACE	
INTERMEDIATE	NONE	
DEPOT	MAJOR REPAIR	
EQUIPMENT ID	115	
EQUIPMENT CATEGORY	COMMUNICATIONS	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
MISSION LENGTH	>8 HRS.	
MISSION CRITICALITY	HIGH	
DESIGN APPROACH		
RADIO		
SECURE COMMUNICATION/VOCODE		
DIGITAL DATA		
AUDIO/VOICE		
TECHNOLOGY		
AM		
FULL DUPLEX		
SIMPLEX		
MAJOR PARAMETERS		VALUE
FREQ BAND		UHF
PEAK RF POWER (W)		5.6E2
AVG RF POWER (W)		1.4E1
SIMULTANEOUS CHANNELS		00008
FAULT TOLERANCE		
REDUNDANT CHANNELS		
PART QUALITY GRADE/SCREEN CLASS		
TX/883		
SELF TEST CAPABILITY		
MANUAL BYTE		

SELF TEST IMPLEMENTATION			EQUIPMENT ID	117
PANEL INDICATORS			EQUIPMENT CATEGORY	COMMUNICATIONS
DIAGNOSE TO/REPLACE LEVEL			EQUIPMENT TYPE	INDICATOR/CONTROL
UNIT (LRU/PRU)			DESIGN YEAR	70
FAULT CONTROL			APPLICATION	AIRCRAFT
AUTOMATED ON LINE	FAULT DETECTION		MISSION LENGTH	>8 HRS.
AUTOMATED OFF LINE	FAULT DETECTION		MISSION CRITICALITY	LOW
MANUAL	FAULT DETECTION		DESIGN APPROACH	
			RADIO	
MAINTENANCE CONCEPT			SECURE COMMUNICATION/VOCODE	
IN FLIGHT MAINTENANCE	NONE		DIGITAL DATA	
ORGANIZATIONAL	REMOVE & REPLACE		AUDIO/VOICE	
DEPOT	MAJOR REPAIR		TECHNOLOGY	
COMPLEXITY			AM	
TOTAL NUMBER OF PARTS		13970	FULL DUPLEX	
			SIMPLEX	
ACTIVE ELEMENT COUNT			MAJOR PARAMETERS	VALUE
SSI/MSI DIGITAL ICS		02500	FREQ BAND	UHF
			PEAK RF POWER (W)	5.6E2
			AVG RF POWER (W)	1.4E1
			SIMULTANEOUS CHANNELS	00008
EQUIPMENT ID	116		FAULT TOLERANCE	
EQUIPMENT CATEGORY	COMMUNICATIONS		NONE	
EQUIPMENT TYPE	INDICATOR/CONTROL		PART QUALITY GRADE/SCREEN CLASS	
DESIGN YEAR	70		TX/883	
APPLICATION	AIRCRAFT		SELF TEST CAPABILITY	
MISSION LENGTH	>8 HRS.		MANUAL BYTE	
MISSION CRITICALITY	LOW		SELF TEST IMPLEMENTATION	
			PANEL INDICATORS	
DESIGN APPROACH			DIAGNOSE TO/REPLACE LEVEL	
RADIO			UNIT (LRU/PRU)	
SECURE COMMUNICATION/VOCODE			FAULT CONTROL	
DIGITAL DATA			AUTOMATED ON LINE	NONE
AUDIO/VOICE			AUTOMATED OFF LINE	FAULT DETECTION
			MANUAL	FAULT DETECTION
TECHNOLOGY			MAINTENANCE CONCEPT	
AM			IN FLIGHT MAINTENANCE	NONE
FULL DUPLEX			ORGANIZATIONAL	REMOVE & REPLACE
SIMPLEX			DEPOT	MAJOR REPAIR
MAJOR PARAMETERS		VALUE		
FREQ BAND		UHF		
PEAK RF POWER (W)		5.6E2		
AVG RF POWER (W)		1.4E1		
SIMULTANEOUS CHANNELS		00008		
FAULT TOLERANCE				
NONE				
PART QUALITY GRADE/SCREEN CLASS				
TX/883				
SELF TEST CAPABILITY				
MANUAL BYTE				
SELF TEST IMPLEMENTATION				
PANEL INDICATORS				
DIAGNOSE TO/REPLACE LEVEL				
UNIT (LRU/PRU)				
FAULT CONTROL				
AUTOMATED ON LINE	NONE			
AUTOMATED OFF LINE	FAULT DETECTION			
MANUAL	FAULT DETECTION			
MAINTENANCE CONCEPT				
IN FLIGHT MAINTENANCE	NONE			
ORGANIZATIONAL	REMOVE & REPLACE			
DEPOT	MAJOR REPAIR			

EQUIPMENT ID	118
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	MODULATOR/DEMODULATOR
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
 RADIO
 SECURE COMMUNICATION/VOCODE
 DIGITAL DATA
 AUDIO/VOICE

TECHNOLOGY
 AM
 FULL DUPLEX
 SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE FAULT DETECTION
 AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT	NONE
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	MAJOR REPAIR
DEPOT	

EQUIPMENT ID	119
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	MODULATOR/DEMODULATOR
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
 RADIO
 SECURE COMMUNICATION/VOCODE
 DIGITAL DATA
 AUDIO/VOICE

TECHNOLOGY
 AM
 FULL DUPLEX
 SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE FAULT DETECTION
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL FAULT DETECTION

MAINTENANCE CONCEPT	NONE
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	MAJOR REPAIR
DEPOT	

EQUIPMENT ID	120
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	INTERCONNECTION/DISTRIBUTION
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	HIGH

DESIGN APPROACH
 RADIO
 SECURE COMMUNICATION/VOCODE
 DIGITAL DATA
 AUDIO/VOICE

TECHNOLOGY
 AM
 FULL DUPLEX
 SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT	NONE
IN FLIGHT MAINTENANCE	REMOVE & REPLACE
ORGANIZATIONAL	MAJOR REPAIR
DEPOT	

EQUIPMENT ID 121
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH
RADIO
DIRECTION FINDER

MAJOR PARAMETERS
FREQ BAND UHF
NO. OF MODULES 00003

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 122
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER AUDIO
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS
FREQ BAND UHF
PEAK RF POWER (W) 5.6E2
AVG RF POWER (W) 1.4E1
SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 123
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS
FREQ BAND UHF
PEAK RF POWER (W) 5.6E2
AVG RF POWER (W) 1.4E1
SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 124
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 125
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 126
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008
WEIGHT (LBS)	00010
HEIGHT (IN)	00006
WIDTH (IN)	00006
DEPTH (IN)	00007

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 127
 EQUIPMENT CATEGORY COMMUNICATIONS
 EQUIPMENT TYPE INDICATOR/CONTROL
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 RADIO
 SECURE COMMUNICATION/VOCODE
 DIGITAL DATA
 AUDIO/VOICE

TECHNOLOGY
 AM
 FULL DUPLEX
 SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008
WEIGHT (LBS)	00007

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 DEPOT MAJOR REPAIR

EQUIPMENT ID 128
 EQUIPMENT CATEGORY COMMUNICATIONS
 EQUIPMENT TYPE CODER/DECODER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 RADIO
 SECURE COMMUNICATION/VOCODE
 DIGITAL DATA
 AUDIO/VOICE

TECHNOLOGY
 AM
 FULL DUPLEX
 SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008
WEIGHT (LBS)	00002
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00001

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 AUTOMATED ON LINE FAULT DETECTION
 AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE

DEPOT MAJOR REPAIR

EQUIPMENT ID 129
 EQUIPMENT CATEGORY COMMUNICATIONS
 EQUIPMENT TYPE FILTER
 DESIGN YEAR 70
 APPLICATION AIRCRAFT
 MISSION LENGTH >8 HRS.
 MISSION CRITICALITY MEDIUM

DESIGN APPROACH
 RADIO
 SECURE COMMUNICATION/VOCODE
 DIGITAL DATA
 AUDIO/VOICE

TECHNOLOGY
 AM
 FULL DUPLEX
 SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008
WEIGHT (LBS)	00079

FAULT TOLERANCE
 REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
 TX/883

SELF TEST CAPABILITY
 MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 130
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE FILTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS VALUE
FREQ BAND UHF
PEAK RF POWER (W) 5.6E2
AVG RF POWER (W) 1.4E1
SIMULTANEOUS CHANNELS 00008

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 131
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS VALUE
FREQ BAND UHF
PEAK RF POWER (W) 5.6E2
AVG RF POWER (W) 1.4E1
SIMULTANEOUS CHANNELS 00008
HEIGHT (IN) 00008
WIDTH (IN) 00012
DEPTH (IN) 00020

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 132
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 133
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 134
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
AM
FULL DUPLEX
SIMPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	5.6E2
AVG RF POWER (W)	1.4E1
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	135
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	POWER SUPPLY
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.

DESIGN APPROACH	
RADIO	
SECURE COMMUNICATION/VOCODE	
DIGITAL DATA	
AUDIO/VOICE	

TECHNOLOGY	
AM	
FULL DUPLEX	
SIMPLEX	

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
PEAK RF POWER (W)	1.4E3
AVG RF POWER (W)	3.2E2
SIMULTANEOUS CHANNELS	00008

FAULT TOLERANCE	
REDUNDANT CHANNELS	

PART QUALITY GRADE/SCREEN CLASS	
TX/883	

SELF TEST CAPABILITY	
MANUAL BYTE	

SELF TEST IMPLEMENTATION	
PANEL INDICATORS	

DIAGNOSE TO/REPLACE LEVEL	
UNIT (LRU/PRU)	

FAULT CONTROL	
AUTOMATED OFF LINE	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	136
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH	
RADIO	
SECURE COMMUNICATION/VOCODE	
AUDIO/VOICE	

TECHNOLOGY	
FM	
SIMPLEX	

MAJOR PARAMETERS	VALUE
FREQ BAND	VHF
AVG RF POWER (W)	7.0E0
WEIGHT (LBS)	00007
NO. OF MODULES	00004

FAULT TOLERANCE	
NONE	

SELF TEST CAPABILITY	
MANUAL BYTE	

SELF TEST IMPLEMENTATION	
PANEL INDICATORS	

DIAGNOSE TO/REPLACE LEVEL	
UNIT (LRU/PRU)	

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	NONE
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID	137
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	TRANSCEIVER
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH	
RADIO	
SECURE COMMUNICATION/VOCODE	
AUDIO/VOICE	

TECHNOLOGY	
FM	
SIMPLEX	

MAJOR PARAMETERS	VALUE
FREQ BAND	VHF
AVG RF POWER (W)	7.0E0
WEIGHT (LBS)	00007
NO. OF MODULES	00001
HEIGHT (IN)	00004
WIDTH (IN)	00006
DEPTH (IN)	00008

FAULT TOLERANCE	
NONE	

SELF TEST CAPABILITY	
MANUAL BYTE	

SELF TEST IMPLEMENTATION	
PANEL INDICATORS	

DIAGNOSE TO/REPLACE LEVEL	
UNIT (LRU/PRU)	

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	NONE
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

EQUIPMENT ID 138
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HIGH REL.

MAJOR PARAMETERS VALUE
NO. OF MODULES 00008
POWER CONSUMPTION (W) 2.8E3

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT MAJOR REPAIR

COMPLEXITY
TOTAL NUMBER OF PARTS 20292

ACTIVE ELEMENT COUNT
HYBRID ICS 00091
LINEAR/INTERFACE ICS 00291
SSI/MSI DIGITAL ICS 01754
LSI/MEMORY ICS 00219

EQUIPMENT ID 139
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HIGH REL.

MAJOR PARAMETERS VALUE
HEIGHT (IN) 00008
WIDTH (IN) 00012
DEPTH (IN) 00020
POWER CONSUMPTION (W) 1.1E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 140
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HIGH REL.

MAJOR PARAMETERS VALUE
MEMORY SIZE (WORDS) 2.4E4
POWER CONSUMPTION (W) 7.0E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE REMOVE & REPLACE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 141
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HIGH REL.

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 142
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION

DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HIGH REL.

MAJOR PARAMETERS VALUE
POWER CONSUMPTION (W) 2.2E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 143
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE MULTIPLEXOR/DEMULTIPLEXOR
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HIGH REL.

MAJOR PARAMETERS VALUE
HEIGHT (IN) 00008
WIDTH (IN) 00015
DEPTH (IN) 00020
POWER CONSUMPTION (W) 4.0E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE REMOVE & REPLACE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 144
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
PART DERATING GUIDELINES HIGH REL.

MAJOR PARAMETERS VALUE
POWER CONSUMPTION (W) 3.0E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	145
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	POWER SUPPLY
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	HIGH REL.

MAJOR PARAMETERS	VALUE
POWER CONSUMPTION (W)	7.0E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	146
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	TRANSCIVER
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
PART DERATING GUIDELINES	HIGH REL.

MAJOR PARAMETERS	VALUE
HEIGHT (IN)	00008
WIDTH (IN)	00015
DEPTH (IN)	00020
POWER CONSUMPTION (W)	1.8E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID	147
EQUIPMENT CATEGORY	COMMUNICATIONS
DESIGN YEAR	70
APPLICATION	AIRCRAFT
MISSION LENGTH	>8 HRS.
MISSION CRITICALITY	MEDIUM

DESIGN APPROACH
DIGITAL DATA

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00034
NO. OF MODULES	00002
HEIGHT (IN)	00009
WIDTH (IN)	00008
DEPTH (IN)	00019

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS	
ECHELON	SKILL LEVEL
ORGANIZATION	PERSONNEL
	002

COMPLEXITY	
TOTAL NUMBER OF PARTS	10117

EQUIPMENT ID 148
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
DIGITAL DATA

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00006
HEIGHT (IN)	00009
WIDTH (IN)	00006
DEPTH (IN)	00005

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 149
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE A/D OR D/A
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

DESIGN APPROACH
DIGITAL DATA

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00028
HEIGHT (IN)	00008
WIDTH (IN)	00008
DEPTH (IN)	00019

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 150
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE ALARM
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH
DIGITAL DATA

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 151
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY LOW

DESIGN APPROACH
DIGITAL DATA

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 152
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00100
NO. OF MODULES 00002
HEIGHT (IN) 00014
WIDTH (IN) 00038
DEPTH (IN) 00020

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 153
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00050
NO. OF MODULES 00001
HEIGHT (IN) 00014
WIDTH (IN) 00019
DEPTH (IN) 00020

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 154
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00050
NO. OF MODULES 00001
HEIGHT (IN) 00014
WIDTH (IN) 00019
DEPTH (IN) 00020

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS
DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 155
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
HALF DUPLEX
WIDE BAND
NARROW BAND

FAULT TOLERANCE
NONE

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 156
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE CODER/DECODER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
HALF DUPLEX

FAULT TOLERANCE
NONE

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 157
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
HALF DUPLEX

FAULT TOLERANCE
NONE

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 158
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE CODER/DECODER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
HALF DUPLEX

FAULT TOLERANCE
NONE

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 159
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE AMPLIFIER AUDIO
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
HALF DUPLEX
WIDE BAND

FAULT TOLERANCE
NONE

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 160
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
DIGITAL DATA
AUDIO/VOICE

TECHNOLOGY
HALF DUPLEX

FAULT TOLERANCE
NONE

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 161
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.

TECHNOLOGY
INERTIAL
DOPPLER
RADIO
GIMBALED

MAJOR PARAMETERS	VALUE
POSITION ACCURACY (FT)	6.1E3
VELOCITY ACCURACY (FT/SEC)	00006
HEADING ACCURACY (DEG)	00001
WEIGHT (LBS)	00450
VOLUME (CU. FT.)	3.0E1
NO. OF MODULES	00014

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	10%
INTERMEDIATE	3	09%

COMPLEXITY	
TOTAL NUMBER OF PARTS	12361

EQUIPMENT ID 162
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE TRANSCIVER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
DOPPLER
RADIO

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00005
VOLUME (CU. FT.)	2.2E0
NO. OF MODULES	00001
HEIGHT (IN)	00006
WIDTH (IN)	00025
DEPTH (IN)	00026

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
MANUAL BYTE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT MAJOR REPAIR

COMPLEXITY
TOTAL NUMBER OF PARTS 01259

EQUIPMENT ID 163
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
RADIO

MAJOR PARAMETERS	VALUE
NO. OF MODULES	00002

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BITE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT MAJOR REPAIR

COMPLEXITY
TOTAL NUMBER OF PARTS 04098

EQUIPMENT ID 164
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
RADIO

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	1.0E0
HEIGHT (IN)	00006
WIDTH (IN)	00006
DEPTH (IN)	00002

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL PITE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE FAULT DETECTION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
THROW AWAY MAINTENANCE REMOVE & REPLACE
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT NONE

EQUIPMENT ID 165
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
RADIO

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00005
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00004
WIDTH (IN)	00005
DEPTH (IN)	00006

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BITE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 166
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
RADIO

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00013
VOLUME (CU. FT.)	0.2E0
NO. OF MODULES	00001
HEIGHT (IN)	00008
WIDTH (IN)	00005
DEPTH (IN)	00006

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BITE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 167
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
RADIO

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00063
VOLUME (CU. FT.)	0.9E0
NO. OF MODULES	00001
HEIGHT (IN)	00008
WIDTH (IN)	00010
DEPTH (IN)	00021

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BITE

SELF TEST IMPLEMENTATION
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	NONE

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

EQUIPMENT ID 168
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
RADIO

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
MANUAL BIT

SELF TEST IMPLEMENTATION
PANEL INDICATORS

FAULT CONTROL
AUTOMATED ON LINE NONE

MAINTENANCE CONCEPT
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT NONE

EQUIPMENT ID 169
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS	VALUE
POSITION ACCURACY (FT)	6.1E3
VELOCITY ACCURACY (FT/SEC)	00006
HEADING ACCURACY (DEG)	00001
NO. OF MODULES	00004
POWER CONSUMPTION (W)	4.7E2

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

COMPLEXITY
TOTAL NUMBER OF PARTS

04004

EQUIPMENT ID 170
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00017
VOLUME (CU. FT.)	0.2E0
NO. OF MODULES	00001
HEIGHT (IN)	00006
WIDTH (IN)	00005
DEPTH (IN)	00013

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MAJOR REPAIR
DEPOT NONE

EQUIPMENT ID 171
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00005
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00006

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE REMOVE & REPLACE
DEPOT MAJOR REPAIR

EQUIPMENT ID 172
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INERTIAL REFERENCE
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00055
VOLUME (CU. FT.)	0.9E0
NO. OF MODULES	00001
HEIGHT (IN)	00008
WIDTH (IN)	00010
DEPTH (IN)	00020

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT MAJOR REPAIR

EQUIPMENT ID 173
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY MEDIUM

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00002
WIDTH (IN)	00005
DEPTH (IN)	00002

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
TX/883

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
THROW AWAY MAINTENANCE REMOVE & REPLACE
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE NONE
DEPOT NONE

EQUIPMENT ID 174
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
DETECTION RANGE (MILES)	999.9
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5
PRF (HZ)	00400
AZ COVERAGE/ANGLE (DEG)	120.0
POLARIZATION	V
BEAM WIDTH (DEG)	000.6
ELEV. COVERAGE/ANGLE (DEG)	080.0
TARGET SIZE (SQM)	000.1
ANTENNA GAIN (DB)	048.2

FAULT TOLERANCE
GRACEFUL DEGRADATION
DEGRADED MODES

TYPE OF COOLING
FORCED AIR (FAN)
LIQUID

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
AUTOMATED PRINTOUT
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

EQUIPMENT ID 175
EQUIPMENT CATEGORY COMPUTER
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
DIGITAL
GENERAL PURPOSE

TECHNOLOGY
OTHER MAGNETIC TAPE
MAGNETIC DISK PACK
MAGNETIC CORE

MAJOR PARAMETERS	VALUE
WORD LENGTH (CHAR)	00060
MEMORY SIZE (WORDS)	1.3E5
NO. OF INPUT PORTS	00005
NO. OF OUTPUT PORTS	00002

EQUIPMENT ID 176
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
ALPHANUMERIC
KEYBOARD ENTRY
GRAPHIC
NON-INTERACTIVE

TECHNOLOGY
UNKNOWN
PRINTER
LIGHT PEN

MAJOR PARAMETERS	VALUE
NUMBER OF KEYS	00079

EQUIPMENT ID 177
EQUIPMENT CATEGORY COMPUTER
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
DIGITAL
GENERAL PURPOSE

TECHNOLOGY
OTHER MAGNETIC TAPE
MAGNETIC DISK PACK
MAGNETIC CORE

MAJOR PARAMETERS	VALUE
WORD LENGTH (CHAR)	00060
MEMORY SIZE (WORDS)	1.3E5
NO. OF INPUT PORTS	00005
NO. OF OUTPUT PORTS	00002

EQUIPMENT ID 179
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
DIGITAL
DEDICATED

TECHNOLOGY
SEMICONDUCTOR

MAJOR PARAMETERS	VALUE
CLOCK FREQ (HZ)	5.0E6
WORD LENGTH (CHAR)	00024
MEMORY SIZE (WORDS)	3.1E2
NO. OF MODULES	00379

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

EQUIPMENT ID 178
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
DETECTION RANGE (MILES)	999.9
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5
PRF (HZ)	00400
AZ COVERAGE/ANGLE (DEG)	120.0
POLARIZATION	V
BEAM WIDTH (DEG)	000.6
ELEV. COVERAGE/ANGLE (DEG)	080.0
TARGET SIZE (SQM)	000.1
ANTENNA GAIN (DB)	048.2

FAULT TOLERANCE
GRACEFUL DEGRADATION
DEGRADED MODES

TYPE OF COOLING
FORCED AIR (FAN)
LIQUID

SELF TEST CAPABILITY
AUTOMATED BIT

EQUIPMENT ID 180
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
DIGITAL
DEDICATED

TECHNOLOGY
HARDWIRED

MAJOR PARAMETERS	VALUE
WORD LENGTH (CHAR)	00018
NO. OF MODULES	00071

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

EQUIPMENT ID 181
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE FREQ/TIMING GENERATOR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
DIGITAL
DEDICATED

TECHNOLOGY
HARDWIRED

EQUIPMENT ID 182
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
DIGITAL
DEDICATED

TECHNOLOGY
SEMICONDUCTOR

MAJOR PARAMETERS	VALUE
CLOCK FREQ (HZ)	5.0E6
WORD LENGTH (CHAR)	00024
MEMORY SIZE (WORDS)	3.1E2
NO. OF OUTPUT PORTS	00005
NO. OF MODULES	00308

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

EQUIPMENT ID 183
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
DIGITAL
DEDICATED

TECHNOLOGY
SEMICONDUCTOR

MAJOR PARAMETERS	VALUE
CLOCK FREQ (HZ)	1.0E7
WORD LENGTH (CHAR)	00150
MEMORY SIZE (WORDS)	1.0E3
NO. OF BUSSES	00009
NO. OF REGISTERS	00002
NO. OF INPUT PORTS	00002
NO. OF OUTPUT PORTS	00003
NO. OF MODULES	00442

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

EQUIPMENT ID 184
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

EQUIPMENT ID 185
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
DETECTION RANGE (MILES)	999.9
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5
PRF (HZ)	00400
AZ COVERAGE/ANGLE (DEG)	120.0
POLARIZATION	V
BEAM WIDTH (DEG)	000.6
ELEV. COVERAGE/ANGLE (DEG)	080.0
TARGET SIZE (SQM)	000.1
ANTENNA GAIN (DB)	048.2
NO. OF MODULES	30720
HEIGHT (IN)	01134
WIDTH (IN)	02278

FAULT TOLERANCE
GRACEFUL DEGRADATION
DEGRADED MODES

SELF TEST CAPABILITY
AUTOMATED BIT

EQUIPMENT ID 187
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5

EQUIPMENT ID 186
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5

TYPE OF COOLING
FORCED AIR (FAN)

EQUIPMENT ID 188
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
DIGITAL
DEDICATED

TECHNOLOGY
MAGNETIC CORE

MAJOR PARAMETERS	VALUE
CLOCK FREQ (HZ)	2.0E7
WORD LENGTH (CHAR)	00018
NO. OF INPUT PORTS	00003
NO. OF OUTPUT PORTS	00004
NO. OF MODULES	00074

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
AUTOMATED PRINTOUT

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED OFF LINE FAULT ISOLATION

EQUIPMENT ID 189
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE TRANSMITTER
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
DETECTION RANGE (MILES)	999.9
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5
PRF (HZ)	00500
NO. OF MODULES	00085
POWER CONSUMPTION (W)	3.1E6

FAULT TOLERANCE
GRACEFUL DEGRADATION
DEGRADED MODES

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS

TYPE OF COOLING
FORCED AIR (FAN)
LIQUID

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
PANEL INDICATORS

EQUIPMENT ID 190
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

FAULT TOLERANCE
GRACEFUL DEGRADATION
DEGRADED MODES

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)
LIQUID

EQUIPMENT ID 191
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
DETECTION RANGE (MILES)	999.9
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5
PRF (HZ)	00500
VOLUME (CU. FT.)	1.4E2
NO. OF MODULES	00014
HEIGHT (IN)	00090
WIDTH (IN)	00062
DEPTH (IN)	00042

PART QUALITY GRADE/SCREEN CLASS
JAN/HERMETIC ICS

TYPE OF COOLING
FORCED AIR (FAN)
LIQUID

EQUIPMENT ID 192
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE MODULATOR/DEMODULATOR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

TYPE OF COOLING
FORCED AIR (FAN)
LIQUID

EQUIPMENT ID 194
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE MODULATOR/DEMODULATOR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
VOLUME (CU. FT.)	6.1E2
HEIGHT (IN)	00120
WIDTH (IN)	00200
DEPTH (IN)	00044

PART QUALITY GRADE/SCREEN CLASS
JAN/HERMETIC ICS

TYPE OF COOLING
FORCED AIR (FAN)
LIQUID

EQUIPMENT ID 193
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE MODULATOR/DEMODULATOR
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
VOLUME (CU. FT.)	6.1E2
HEIGHT (IN)	00120
WIDTH (IN)	00200
DEPTH (IN)	00044

PART QUALITY GRADE/SCREEN CLASS
JAN/HERMETIC ICS

TYPE OF COOLING
FORCED AIR (FAN)
LIQUID

EQUIPMENT ID 195
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
MANUAL
NON-INTERACTIVE

TECHNOLOGY
METER
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00006
HEIGHT (IN)	00044

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

EQUIPMENT ID 196
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)
LIQUID

EQUIPMENT ID 197
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE MISC
DESIGN YEAR 73
APPLICATION GROUND
MISSION LENGTH CONTINUOUS

DESIGN APPROACH
SURVEILLANCE/SEARCH
TRACKING
PULSE COMPRESSION
DOPPLER

TECHNOLOGY
TWT
ELECTRONICALLY STEERABLE

MAJOR PARAMETERS	VALUE
FREQ BAND	L
PEAK RF POWER (W)	1.5E7
AVG RF POWER (W)	9.2E5
VOLUME (CU. FT.)	3.5E1
NO. OF MODULES	00072
HEIGHT (IN)	00028
WIDTH (IN)	00030

PART QUALITY GRADE/SCREEN CLASS
JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

EQUIPMENT ID 198
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
DESIGN APPROACH
TACAN
RADIO
GEOGRAPHIC POSITION

MAJOR PARAMETERS	VALUE
POSITION ACCURACY (FT)	1.8E3
RANGE (MILES)	3.9E2
FREQUENCY BAND	UHF
WEIGHT (LBS)	00042
NO. OF MODULES	00029

EQUIPMENT ID 199
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL

DESIGN APPROACH
MANUAL
OPEN LOOP
CONTROL

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00006
WEIGHT (LBS)	00002
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00002
HEIGHT (IN)	00003
WIDTH (IN)	00006
DEPTH (IN)	00005

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE

200
GUIDANCE/NAVIGATION
INTERCONNECTION/DISTRIBUTION

DESIGN APPROACH
TACAN
RADIO
GEOGRAPHIC POSITION

MAJOR PARAMETERS	VALUE
FREQUENCY BAND	UHF
WEIGHT (LBS)	00005
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00009
HEIGHT (IN)	00007
WIDTH (IN)	00002
DEPTH (IN)	00013

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE

201
GUIDANCE/NAVIGATION
TRANSCIEVER

DESIGN APPROACH
TACAN
RADIO
GEOGRAPHIC POSITION

MAJOR PARAMETERS	VALUE
POSITION ACCURACY (FT)	1.8E3
RANGE (MILES)	3.9E2
FREQUENCY BAND	UHF
WEIGHT (LBS)	00027
VOLUME (CU. FT.)	0.5E0
NO. OF MODULES	00018
HEIGHT (IN)	00007
WIDTH (IN)	00008
DEPTH (IN)	00015

TYPE OF COOLING
FORCED AIR (FAN)

EQUIPMENT ID
EQUIPMENT CATEGORY
APPLICATION
MISSION LENGTH

202
COMMUNICATIONS
GROUND
CONTINUOUS

DESIGN APPROACH
DIGITAL DATA
TRANSCIEVER

TECHNOLOGY
SOLID STATE

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00090
VOLUME (CU. FT.)	2.4E0
NO. OF MODULES	00029
HEIGHT (IN)	00010
WIDTH (IN)	00019
DEPTH (IN)	00022

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

COMPLEXITY
TOTAL NUMBER OF PARTS 03278
NUMBER OF DIFFERENT GENERIC PART TYPES 014
NUMBER OF ACTIVE ELEMENTS 01256

ACTIVE ELEMENT COUNT
TUBES 00000

DISCRETE SEMICONDUCTORS	00482
HYBRID ICS	00025
LINEAR/INTERFACE ICS	00064
SSI/MSI DIGITAL ICS	00620
LSI/MEMORY ICS	00065
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

203
CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
DISPLAY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00002
WIDTH (IN)	00002
DEPTH (IN)	00006
POWER CONSUMPTION (W)	1.3E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

204
CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
DISPLAY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00002
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00002
WIDTH (IN)	00002
DEPTH (IN)	00006
POWER CONSUMPTION (W)	2.0E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

206
GUIDANCE/NAVIGATION
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00009
WIDTH (IN)	00009
DEPTH (IN)	00002

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

205
CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
DISPLAY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00006
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00004
WIDTH (IN)	00004
DEPTH (IN)	00008
POWER CONSUMPTION (W)	9.0E0

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

207
COMMUNICATIONS
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00008
WIDTH (IN)	00007
DEPTH (IN)	00003

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

208
CONTROLS/DISPLAYS
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
ALPHANUMERIC
AUTOMATIC CONTROL
CLOSED LOOP
DISPLAY

TECHNOLOGY
SERVO
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00002
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00005
HEIGHT (IN)	00003
WIDTH (IN)	00003
DEPTH (IN)	00007
POWER CONSUMPTION (W)	1.9E1

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

COMPLEXITY	
TOTAL NUMBER OF PARTS	00114
NUMBER OF DIFFERENT GENERIC PART TYPES	009
NUMBER OF ACTIVE ELEMENTS	00054

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00048
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00006
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
PART DERATING GUIDELINES

209
GUIDANCE/NAVIGATION
INERTIAL REFERENCE
70
AIRCRAFT
INTERMEDIATE

TECHNOLOGY
INERTIAL
STRAPDOWN

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00018
VOLUME (CU. FT.)	0.4E0
NO. OF MODULES	00015
HEIGHT (IN)	00008
WIDTH (IN)	00009
DEPTH (IN)	00010
POWER CONSUMPTION (W)	2.6E2

FAULT TOLERANCE
GRACEFUL DEGRADATION

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

6-89

EQUIPMENT ID 212
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES HIGH REL.
MISSION CRITICALITY HIGH

DESIGN APPROACH
ALPHANUMERIC
MANUAL
CONTROL
DISPLAY

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00017
WEIGHT (LBS)	00012
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00010
HEIGHT (IN)	00007
WIDTH (IN)	00006
DEPTH (IN)	00006
POWER CONSUMPTION (W)	5.0E1

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL	RECONFIGURATION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	

MAINTENANCE CONCEPT	REMOVE & REPLACE
ORGANIZATIONAL	MINOR REPAIR
INTERMEDIATE	MAJOR REPAIR
DEPOT	

MAINTENANCE ECHELONS	SKILL LEVEL	PERSONNEL
ECHELON		
ORGANIZATION	5	001
INTERMEDIATE	5	001
DEPOT	5	001

COMPLEXITY	
TOTAL NUMBER OF PARTS	01436
NUMBER OF DIFFERENT GENERIC PART TYPES	012
NUMBER OF ACTIVE ELEMENTS	00370

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00227
HYBRID ICS	00015
LINEAR/INTERFACE ICS	00039
SSI/MSI DIGITAL ICS	00089
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 213
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES HIGH REL.

DESIGN APPROACH
ALPHANUMERIC
MANUAL
CONTROL
DISPLAY

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00009
WEIGHT (LBS)	00002
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00004
HEIGHT (IN)	00003
WIDTH (IN)	00006
DEPTH (IN)	00004
POWER CONSUMPTION (W)	1.5E1

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL	RECONFIGURATION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	

MAINTENANCE CONCEPT	REMOVE & REPLACE
ORGANIZATIONAL	MINOR REPAIR
INTERMEDIATE	MAJOR REPAIR
DEPOT	

MAINTENANCE ECHELONS	SKILL LEVEL	PERSONNEL
ECHELON		
ORGANIZATION	5	001
INTERMEDIATE	5	001
DEPOT	5	001

COMPLEXITY	
TOTAL NUMBER OF PARTS	00195
NUMBER OF DIFFERENT GENERIC PART TYPES	009
NUMBER OF ACTIVE ELEMENTS	00068

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00056
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00001
SSI/MSI DIGITAL ICS	00011
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID	214	
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS	
EQUIPMENT TYPE	INDICATOR/CONTROL	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
PART DERATING GUIDELINES	HIGH REL.	

DESIGN APPROACH
MANUAL
CONTROL

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00006
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00002
HEIGHT (IN)	00002
WIDTH (IN)	00006
DEPTH (IN)	00004
POWER CONSUMPTION (W)	6.0E0

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL
AUTOMATED OFF LINE RECONFIGURATION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS

ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	5	001
INTERMEDIATE	5	001
DEPOT	5	001

COMPLEXITY

TOTAL NUMBER OF PARTS	00014
NUMBER OF DIFFERENT GENERIC PART TYPES	002
NUMBER OF ACTIVE ELEMENTS	00000

ACTIVE ELEMENT COUNT

TUBES	00000
DISCRETE SEMICONDUCTORS	00000
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID	215
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	70
APPLICATION	AIRCRAFT
PART DERATING GUIDELINES	HIGH REL.

DESIGN APPROACH
ALPHANUMERIC
MANUAL
CONTROL
DISPLAY

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00005
WEIGHT (LBS)	00002
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00003
HEIGHT (IN)	00003
WIDTH (IN)	00006
DEPTH (IN)	00004
POWER CONSUMPTION (W)	1.1E1

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL
AUTOMATED OFF LINE RECONFIGURATION
MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS

ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	5	001
INTERMEDIATE	5	001
DEPOT	5	001

COMPLEXITY

TOTAL NUMBER OF PARTS	00099
NUMBER OF DIFFERENT GENERIC PART TYPES	009
NUMBER OF ACTIVE ELEMENTS	00028

ACTIVE ELEMENT COUNT

TUBES	00000
DISCRETE SEMICONDUCTORS	00021
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00001
SSI/MSI DIGITAL ICS	00006
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 216
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES HIGH REL.

DESIGN APPROACH
MANUAL
CONTROL

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00013
WEIGHT (LBS)	00002
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00002
HEIGHT (IN)	00004
WIDTH (IN)	00007
DEPTH (IN)	00002
POWER CONSUMPTION (W)	2.1E1

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL	
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS			
ECHELON	SKILL LEVEL	PERSONNEL	
ORGANIZATION	5	001	
INTERMEDIATE	5	001	
DEPOT	5	001	

COMPLEXITY	
TOTAL NUMBER OF PARTS	00019
NUMBER OF DIFFERENT GENERIC PART TYPES	003
NUMBER OF ACTIVE ELEMENTS	00000

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00000
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 217
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES HIGH REL.

DESIGN APPROACH
MANUAL
CONTROL

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00003
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00002
HEIGHT (IN)	00002
WIDTH (IN)	00006
DEPTH (IN)	00004
POWER CONSUMPTION (W)	1.3E1

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL	
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS			
ECHELON	SKILL LEVEL	PERSONNEL	
ORGANIZATION	5	001	
INTERMEDIATE	5	001	
DEPOT	5	001	

COMPLEXITY	
TOTAL NUMBER OF PARTS	00014
NUMBER OF DIFFERENT GENERIC PART TYPES	002
NUMBER OF ACTIVE ELEMENTS	00000

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00000
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 218
EQUIPMENT CATEGORY COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES HIGH REL.

DESIGN APPROACH
SERIAL
PARALLEL
PARITY CHECKING
ERROR CORRECTION
ANALOG
DIGITAL
DEDICATED

TECHNOLOGY
SEMICONDUCTOR

MAJOR PARAMETERS	VALUE
CLOCK FREQ (HZ)	2.0E6
WORD LENGTH (CHAR)	00016
MEMORY SIZE (WORDS)	1.1E3
INTERRUPT LEVELS	00002
NO. OF BUSES	00002
NO. OF REGISTERS	00006
NO. OF ACCUMULATORS	00002
NO. OF INPUT PORTS	00016
NO. OF OUTPUT PORTS	00016
WEIGHT (LBS)	00015
VOLUME (CU. FT.)	0.3E0
NO. OF MODULES	00016
HEIGHT (IN)	00011
WIDTH (IN)	00007
DEPTH (IN)	00008
POWER CONSUMPTION (W)	8.0E1

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
JAN/HERMETIC ICS

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MINOR REPAIR
DEPOT MAJOR REPAIR

MAINTENANCE ECHELONS
ECHELON SKILL LEVEL PERSONNEL
ORGANIZATION 3 001
INTERMEDIATE 001
DEPOT 001

COMPLEXITY
TOTAL NUMBER OF PARTS 01320
NUMBER OF DIFFERENT GENERIC PART TYPES 012
NUMBER OF ACTIVE ELEMENTS 00465

ACTIVE ELEMENT COUNT
TUBES 00000

DISCRETE SEMICONDUCTORS 00188
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00042
SSI/MSI DIGITAL ICS 00217
LSI/MEMORY ICS 00018
MICROPROCESSORS 00000

EQUIPMENT ID 219
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT

DESIGN APPROACH
DISPLAY

EQUIPMENT ID 220
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT

DESIGN APPROACH
DISPLAY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00003
WIDTH (IN)	00003
DEPTH (IN)	00009
POWER CONSUMPTION (W)	1.8E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

221
ECM/EW
FILTER
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)
POWER CONSUMPTION (W)

VALUE
00007
0.1E0
00010
00005
00004
00011
6.5E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

222
GUIDANCE/NAVIGATION
TRANSCIVER
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)
POWER CONSUMPTION (W)

VALUE
00029
0.5E0
00007
00007
00017
1.6E2

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

223
GUIDANCE/NAVIGATION
INDICATOR/CONTROL
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00001
0.1E0
00001
00003
00002

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

224
ECM/EW
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
POWER CONSUMPTION (W)

VALUE
00056
0.5E0
00038
1.7E2

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

225
ECM/EW
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00002
0.1E0
00001
00008
00014
00001

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

226
ECM/EW
ANTENNA
70
AIRCRAFT

DESIGN APPROACH
FREQ SCAN

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00002
0.1E0
00001
00008
00014
00001

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

227
ECM/EW
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00003
0.1E0
00001
00006
00006
00016

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

228
ECM/EW
MULTIPLEXOR/DEMULTIPLEXOR
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00004
0.1E0
00001
00004
00004
00009

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

229
ECM/EW
TRANSCIVER
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00031
0.5E0
00033
00006
00008
00017

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

230
ECM/EW
INDICATOR/CONTROL
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00001
0.1E0
00001
00003
00004
00008

EQUIPMENT ID 231
EQUIPMENT CATEGORY ECM/EW
DESIGN YEAR 70
APPLICATION AIRCRAFT

DESIGN APPROACH
MULTIMODE CAPABILITY
PULSED
MULTICHANNEL/MULTIFREQUENCY

TECHNOLOGY
TWT

MAJOR PARAMETERS VALUE
VOLUME (CU. FT.) 6.5E0
NO. OF MODULES 00045
POWER CONSUMPTION (W) 7.2E3

EQUIPMENT ID 232
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE I/O DEVICE
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
VOLUME (CU. FT.) 0.1E0
NO. OF MODULES 00001

EQUIPMENT ID 233
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE I/O DEVICE
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
VOLUME (CU. FT.) 0.1E0
NO. OF MODULES 00001

EQUIPMENT ID 234
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT

TECHNOLOGY
TWT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00062
VOLUME (CU. FT.) 1.5E0
NO. OF MODULES 00012
HEIGHT (IN) 00013
WIDTH (IN) 00008
DEPTH (IN) 00025

EQUIPMENT ID 235
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE AMPLIFIER, RF
DESIGN YEAR 70
APPLICATION AIRCRAFT

TECHNOLOGY
TWT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00034
VOLUME (CU. FT.) 1.5E0
NO. OF MODULES 00012
HEIGHT (IN) 00013
WIDTH (IN) 00008
DEPTH (IN) 00025

EQUIPMENT ID 236
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00050
VOLUME (CU. FT.) 1.5E0
NO. OF MODULES 00007
HEIGHT (IN) 00013
WIDTH (IN) 00008
DEPTH (IN) 00025

EQUIPMENT ID 237
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00054
VOLUME (CU. FT.) 1.5E0
NO. OF MODULES 00007
HEIGHT (IN) 00013
WIDTH (IN) 00008
DEPTH (IN) 00025

EQUIPMENT ID 238
EQUIPMENT CATEGORY ECM/EW
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00142
VOLUME (CU. FT.) 2.4E0
NO. OF MODULES 00093
POWER CONSUMPTION (W) 6.8E0

EQUIPMENT ID 239
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
VOLUME (CU. FT.) 0.1E0
NO. OF MODULES 00001

EQUIPMENT ID 240
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT

DESIGN APPROACH
CONTROL

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00002
VOLUME (CU. FT.) 0.1E0
NO. OF MODULES 00001
HEIGHT (IN) 00004
WIDTH (IN) 00006
DEPTH (IN) 00003

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

241
ECM/EW
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
CONTROL

MAJOR PARAMETERS

WEIGHT (LBS)	VALUE
VOLUME (CU. FT.)	00001
NO. OF MODULES	0.1E0
HEIGHT (IN)	00001
WIDTH (IN)	00001
DEPTH (IN)	00006
	00003

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

242
ECM/EW
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
DISPLAY

MAJOR PARAMETERS

WEIGHT (LBS)	VALUE
VOLUME (CU. FT.)	00011
NO. OF MODULES	0.3E0
HEIGHT (IN)	00011
WIDTH (IN)	00005
DEPTH (IN)	00006
	00015

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

243
ECM/EW
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS

VOLUME (CU. FT.)	VALUE
NO. OF MODULES	0.1E0
	00001

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

244
ECM/EW
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS

VOLUME (CU. FT.)	VALUE
NO. OF MODULES	0.1E0
	00001

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

245
ECM/EW
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS

VOLUME (CU. FT.)	VALUE
NO. OF MODULES	0.1E0
	00001

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

246
ECM/EW
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS

VOLUME (CU. FT.)	VALUE
NO. OF MODULES	0.1E0
	00001

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

247
ECM/EW
POWER SUPPLY
70
AIRCRAFT

MAJOR PARAMETERS

WEIGHT (LBS)	VALUE
VOLUME (CU. FT.)	00031
NO. OF MODULES	0.7E0
HEIGHT (IN)	00015
WIDTH (IN)	00006
DEPTH (IN)	00018
	00011

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

249
ECM/EW
RECEIVER
70
AIRCRAFT

MAJOR PARAMETERS

WEIGHT (LBS)	VALUE
VOLUME (CU. FT.)	00026
NO. OF MODULES	0.3E0
HEIGHT (IN)	00015
WIDTH (IN)	00008
DEPTH (IN)	00009
	00007

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

250
RADAR
70
AIRCRAFT

DESIGN APPROACH
DOPPLER
FIRE CONTROL

MAJOR PARAMETERS

WEIGHT (LBS)	VALUE
VOLUME (CU. FT.)	00495
NO. OF MODULES	9.0E0
POWER CONSUMPTION (W)	00134
	1.1E4

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

248
ECM/EW
RECEIVER
70
AIRCRAFT

MAJOR PARAMETERS

WEIGHT (LBS)	VALUE
VOLUME (CU. FT.)	00052
NO. OF MODULES	1.3E0
HEIGHT (IN)	00045
WIDTH (IN)	00007
DEPTH (IN)	00018
	00018

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

251
RADAR
INTERCONNECTION/DISTRIBUTION
70
AIRCRAFT

MAJOR PARAMETERS

NO. OF MODULES	VALUE
	00001

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

252
RADAR
INTERCONNECTION/DISTRIBUTION
70
AIRCRAFT

MAJOR PARAMETERS

NO. OF MODULES	VALUE
	00001

EQUIPMENT ID 253
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
NO. OF MODULES 00001

EQUIPMENT ID 254
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
NO. OF MODULES 00001

EQUIPMENT ID 255
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
NO. OF MODULES 00001

EQUIPMENT ID 256
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00010
NO. OF MODULES 00001

EQUIPMENT ID 257
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00107
NO. OF MODULES 00003

EQUIPMENT ID 258
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00003
VOLUME (CU. FT.) 0.7E0
NO. OF MODULES 00001
HEIGHT (IN) 00007
WIDTH (IN) 00005
DEPTH (IN) 00004

EQUIPMENT ID 259
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00041
VOLUME (CU. FT.) 1.2E0
NO. OF MODULES 00042
HEIGHT (IN) 00007
WIDTH (IN) 00016
DEPTH (IN) 00019

EQUIPMENT ID 260
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00040
VOLUME (CU. FT.) 1.0E0
NO. OF MODULES 00049
HEIGHT (IN) 00007
WIDTH (IN) 00016
DEPTH (IN) 00017

EQUIPMENT ID 261
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00026
VOLUME (CU. FT.) 0.9E0
NO. OF MODULES 00006
HEIGHT (IN) 00010
WIDTH (IN) 00011
DEPTH (IN) 00013

EQUIPMENT ID 262
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE FREQ/TIMING GENERATOR
DESIGN YEAR 70
APPLICATION AIRCRAFT

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00026
VOLUME (CU. FT.) 1.0E0
NO. OF MODULES 00005
HEIGHT (IN) 00007
WIDTH (IN) 00023
DEPTH (IN) 00011

EQUIPMENT ID 263
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00041
VOLUME (CU. FT.) 1.1E0
NO. OF MODULES 00005
HEIGHT (IN) 00010
WIDTH (IN) 00011
DEPTH (IN) 00016

EQUIPMENT ID 264
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 70
APPLICATION AIRCRAFT
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00026
VOLUME (CU. FT.) 0.7E0
NO. OF MODULES 00008
HEIGHT (IN) 00007
WIDTH (IN) 00016
DEPTH (IN) 00011

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION CRITICALITY

265
RADAR
TRANSMITTER
70
AIRCRAFT
HIGH

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00173
VOLUME (CU. FT.)	3.1E0
NO. OF MODULES	00009
HEIGHT (IN)	00010
WIDTH (IN)	00031
DEPTH (IN)	00017

TYPE OF COOLING
LIQUID

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

266
RADAR
70
AIRCRAFT

DESIGN APPROACH
DOPPLER
FIRE CONTROL

TECHNOLOGY
TWT

ACTIVE ELEMENT COUNT
DISCRETE SEMICONDUCTORS
HYBRID ICS
LINEAR/INTERFACE ICS
SSI/MSI DIGITAL ICS

01700
00172
00157
06650

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

267
RADAR
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00107
NO. OF MODULES	00003

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

268
RADAR
INDICATOR/CONTROL
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00003
VOLUME (CU. FT.)	0.7E0
NO. OF MODULES	00001
HEIGHT (IN)	00007
WIDTH (IN)	00005
DEPTH (IN)	00004

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

269
RADAR
SIGNAL/DATA PROCESSOR
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00041
VOLUME (CU. FT.)	1.2E0
NO. OF MODULES	00042
HEIGHT (IN)	00007
WIDTH (IN)	00016
DEPTH (IN)	00019

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

270
RADAR
SIGNAL/DATA PROCESSOR
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00040
VOLUME (CU. FT.)	1.0E0
NO. OF MODULES	00049
HEIGHT (IN)	00007
WIDTH (IN)	00016
DEPTH (IN)	00017

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

271
RADAR
SIGNAL/DATA PROCESSOR
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00026
VOLUME (CU. FT.)	0.9E0
NO. OF MODULES	00006
HEIGHT (IN)	00010
WIDTH (IN)	00011
DEPTH (IN)	00013

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

272
RADAR
FREQ/TIMING GENERATOR
70
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

273
RADAR
POWER SUPPLY
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00041
VOLUME (CU. FT.)	1.1E0
NO. OF MODULES	00005
HEIGHT (IN)	00010
WIDTH (IN)	00011
DEPTH (IN)	00016

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

274
RADAR
RECEIVER
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00026
VOLUME (CU. FT.)	0.7E0
NO. OF MODULES	00008
HEIGHT (IN)	00007
WIDTH (IN)	00016
DEPTH (IN)	00011

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

275
RADAR
TRANSMITTER
70
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

276
COMMUNICATIONS
70
AIRCRAFT

DESIGN APPROACH
TRANSPONDER/IFF
TRANSCIVER

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00048
VOLUME (CU. FT.)	0.9E0
NO. OF MODULES	00014
POWER CONSUMPTION (W)	2.1E2

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

277
COMMUNICATIONS
COMPUTER
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00012
VOLUME (CU. FT.)	0.2E0
HEIGHT (IN)	00007
WIDTH (IN)	00005
DEPTH (IN)	00008
POWER CONSUMPTION (W)	3.5E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

278
COMMUNICATIONS
SIGNAL/DATA PROCESSOR
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00018
VOLUME (CU. FT.)	0.4E0
NO. OF MODULES	00007
HEIGHT (IN)	00008
WIDTH (IN)	00005
DEPTH (IN)	00018

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
DESIGN APPROACH

279
COMMUNICATIONS
TRANSCIVER
70
AIRCRAFT

RADIO
TRANSPONDER/IFF
TRANSCIVER
MAJOR PARAMETERS

WEIGHT (LBS)	VALUE
00018	
VOLUME (CU. FT.)	0.4E0
NO. OF MODULES	00006
HEIGHT (IN)	00008
WIDTH (IN)	00005
DEPTH (IN)	00018
POWER CONSUMPTION (W)	1.7E2

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
DESIGN APPROACH

280
COMMUNICATIONS
70
AIRCRAFT

TRANSPONDER/IFF
TRANSCIVER
MAJOR PARAMETERS

WEIGHT (LBS)	VALUE
00014	
VOLUME (CU. FT.)	0.2E0
NO. OF MODULES	00001
HEIGHT (IN)	00006
WIDTH (IN)	00006
DEPTH (IN)	00011
POWER CONSUMPTION (W)	6.4E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

281
COMMUNICATIONS
COMPUTER
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00011
VOLUME (CU. FT.)	0.2E0
HEIGHT (IN)	00007
WIDTH (IN)	00005
DEPTH (IN)	00008
POWER CONSUMPTION (W)	3.0E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

282
COMMUNICATIONS
TRANSCIVER
70
AIRCRAFT

DESIGN APPROACH
TRANSPONDER/IFF
TRANSCIVER

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

283
COMMUNICATIONS
FILTER
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00002
WIDTH (IN)	00003
DEPTH (IN)	00002

COMPLEXITY	
TOTAL NUMBER OF PARTS	00022
NUMBER OF DIFFERENT GENERIC PART TYPES	006
NUMBER OF ACTIVE ELEMENTS	00008

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00007

HYBRID ICS	00000
LINEAR/INTERFACE ICS	00001
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

284
COMMUNICATIONS
70
AIRCRAFT

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE
TRANSCIVER

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

285
COMMUNICATIONS
ANTENNA
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00002
0.1E0
00001
00008
00007
00003

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

286
COMMUNICATIONS
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
CONTROL

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

287
COMMUNICATIONS
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
CONTROL

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00001
0.1E0
00001
00001
00002
00005

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

288
COMMUNICATIONS
FILTER
70
AIRCRAFT

MAJOR PARAMETERS

VALUE

WEIGHT (LBS)

00001

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

289
COMMUNICATIONS
CODER/DECODER
70
AIRCRAFT

DESIGN APPROACH
SECURE COMMUNICATION/VOCODE

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)
POWER CONSUMPTION (W)

VALUE
00016
0.3E0
00001
00005
00008
00011
6.0E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

290
COMMUNICATIONS
RECEIVER
70
AIRCRAFT

DESIGN APPROACH
RADIO
RECEIVER

TECHNOLOGY
AM

MAJOR PARAMETERS

FREQ BAND
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)
POWER CONSUMPTION (W)

VALUE
UHF
00013
0.2E0
00006
00007
00006
00010
2.7E1

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

COMPLEXITY

TOTAL NUMBER OF PARTS
NUMBER OF DIFFERENT GENERIC PART TYPES
NUMBER OF ACTIVE ELEMENTS

00417
011
00115

ACTIVE ELEMENT COUNT

TUBES
DISCRETE SEMICONDUCTORS
HYBRID ICS
LINEAR/INTERFACE ICS
SSI/MSI DIGITAL ICS
LSI/MEMORY ICS
MICROPROCESSORS

00000
00101
00014
00000
00000
00000
00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
DESIGN APPROACH

291
COMMUNICATIONS
TRANSCIEVER
70
AIRCRAFT

RADIO
TRANSCIEVER
TECHNOLOGY
AM

WIDE BAND
MAJOR PARAMETERS

FREQ BAND
RECEIVER SENSITIVITY (UV)
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)
POWER CONSUMPTION (W)

VALUE
UHF
6.0E0
00029
0.5E0
00010
00007
00009
00015
2.3E2

COMPLEXITY

TOTAL NUMBER OF PARTS
NUMBER OF DIFFERENT GENERIC PART TYPES
NUMBER OF ACTIVE ELEMENTS

00822
013
00194

ACTIVE ELEMENT COUNT

TUBES
DISCRETE SEMICONDUCTORS
HYBRID ICS
LINEAR/INTERFACE ICS
SSI/MSI DIGITAL ICS
LSI/MEMORY ICS
MICROPROCESSORS

00001
00179
00014
00000
00000
00000
00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

292
COMPUTER
COMPUTER
70
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)
POWER CONSUMPTION (W)

VALUE
00016
0.3E0
00001
00007
00006
00013
7.0E1

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

COMPLEXITY

TOTAL NUMBER OF PARTS
NUMBER OF DIFFERENT GENERIC PART TYPES
NUMBER OF ACTIVE ELEMENTS

01047
017
00471

ACTIVE ELEMENT COUNT

TUBES
DISCRETE SEMICONDUCTORS
HYBRID ICS
LINEAR/INTERFACE ICS
SSI/MSI DIGITAL ICS
LSI/MEMORY ICS
MICROPROCESSORS

00000
00096
00009
00055
00307
00025
00000

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

293
GUIDANCE/NAVIGATION
70
AIRCRAFT

DESIGN APPROACH
ATTITUDE

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)
POWER CONSUMPTION (W)

VALUE
00027
0.4E0
00007
00007
00009
1.3E2

COMPLEXITY

TOTAL NUMBER OF PARTS
NUMBER OF DIFFERENT GENERIC PART TYPES
NUMBER OF ACTIVE ELEMENTS

01415
015
00553

ACTIVE ELEMENT COUNT

TUBES
DISCRETE SEMICONDUCTORS
HYBRID ICS
LINEAR/INTERFACE ICS
SSI/MSI DIGITAL ICS
LSI/MEMORY ICS
MICROPROCESSORS

00000
00254
00009
00079
00166
00045
00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

294
GUIDANCE/NAVIGATION
SIGNAL/DATA PROCESSOR
70
AIRCRAFT

DESIGN APPROACH
DIGITAL
GENERAL PURPOSE

TECHNOLOGY
SEMICONDUCTOR

MAJOR PARAMETERS
MEMORY SIZE (WORDS)
NO. OF INPUT PORTS
NO. OF OUTPUT PORTS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
7.7E2
00006
00004
00014
0.2E0
00012
00006
00008
00010

COMPLEXITY

TOTAL NUMBER OF PARTS
NUMBER OF DIFFERENT GENERIC PART TYPES
NUMBER OF ACTIVE ELEMENTS

01340
014
00543

ACTIVE ELEMENT COUNT

TUBES
DISCRETE SEMICONDUCTORS
HYBRID ICS
LINEAR/INTERFACE ICS
SSI/MSI DIGITAL ICS
LSI/MEMORY ICS
MICROPROCESSORS

00000
00246
00009
00077
00166
00045
00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

295
GUIDANCE/NAVIGATION
INERTIAL REFERENCE
70
AIRCRAFT

DESIGN APPROACH
ATTITUDE

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00013
0.2E0
00001
00007
00007
00009

COMPLEXITY

TOTAL NUMBER OF PARTS
NUMBER OF DIFFERENT GENERIC PART TYPES
NUMBER OF ACTIVE ELEMENTS

00045
005
00010

ACTIVE ELEMENT COUNT

TUBES
DISCRETE SEMICONDUCTORS
HYBRID ICS
LINEAR/INTERFACE ICS
SSI/MSI DIGITAL ICS
LSI/MEMORY ICS
MICROPROCESSORS

00000
00008
00000
00002
00000
00000
00000

EQUIPMENT ID	296
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	70
APPLICATION	AIRCRAFT

DESIGN APPROACH
GRAPHIC
MANUAL

TECHNOLOGY
METER
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00005
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00002
WIDTH (IN)	00006
DEPTH (IN)	00002

COMPLEXITY	
TOTAL NUMBER OF PARTS	00030
NUMBER OF DIFFERENT GENERIC PART TYPES	004
NUMBER OF ACTIVE ELEMENTS	00000

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00000
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 297
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES HIGH REL.

DESIGN APPROACH
GEOGRAPHIC POSITION

TECHNOLOGY
INERTIAL
DEAD RECKONING
GIMBALED

MAJOR PARAMETERS	VALUE
POSITION ACCURACY (FT)	7.0E3
WAY POINTS	00016
DESTINATIONS	00016
VELOCITY ACCURACY (FT/SEC)	00004
HEIGHT ACCURACY (FT)	00150
HEADING ACCURACY (DEG)	00.20
WEIGHT (LBS)	00051
VOLUME (CU. FT.)	1.0E0
NO. OF MODULES	00029
POWER CONSUMPTION (W)	2.9E2

FAULT TOLERANCE
DEGRADED MODES

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	NONE
DEPOT	NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	03100
NUMBER OF ACTIVE ELEMENTS	01218

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00409
HYBRID ICS	00057
LINEAR/INTERFACE ICS	00036
SSI/MSI DIGITAL ICS	00716
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 298
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INERTIAL REFERENCE
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES HIGH REL.

DESIGN APPROACH
GEOGRAPHIC POSITION

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS	VALUE
POSITION ACCURACY (FT)	7.0E3
WAY POINTS	00016
DESTINATIONS	00016
VELOCITY ACCURACY (FT/SEC)	00004
HEIGHT ACCURACY (FT)	00150
HEADING ACCURACY (DEG)	00.20
WEIGHT (LBS)	00040
VOLUME (CU. FT.)	0.8E0
NO. OF MODULES	00027
HEIGHT (IN)	00008
WIDTH (IN)	00013
DEPTH (IN)	00014
POWER CONSUMPTION (W)	2.0E2

FAULT TOLERANCE
DEGRADED MODES

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	RECONFIGURATION
AUTOMATED OFF LINE	NONE
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MAJOR REPAIR
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	02650
NUMBER OF ACTIVE ELEMENTS	00990

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00384
HYBRID ICS	00033
LINEAR/INTERFACE ICS	00032
SSI/MSI DIGITAL ICS	00541
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 299
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES HIGH REL.

DESIGN APPROACH
ALPHANUMERIC
KEYBOARD ENTRY
INTERACTIVE
MANUAL
AUTOMATIC CONTROL
CLOSED LOOP
CONTROL
DISPLAY

TECHNOLOGY
FLAT PANEL
SERVO
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NUMBER OF KEYS	00019
NO. OF CONTROLS	00003
WEIGHT (LBS)	00008
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00006
HEIGHT (IN)	00007
WIDTH (IN)	00005
DEPTH (IN)	00007
POWER CONSUMPTION (W)	5.0E1

FAULT TOLERANCE
DEGRADED MODES

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED ON LINE RECONFIGURATION
AUTOMATED OFF LINE NONE

MAINTENANCE CONCEPT	REMOVE & REPLACE
ORGANIZATIONAL	MAJOR REPAIR
INTERMEDIATE	NONE
DEPOT	

COMPLEXITY	
TOTAL NUMBER OF PARTS	00450
NUMBER OF ACTIVE ELEMENTS	00228

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00025
HYBRID ICS	00024
LINEAR/INTERFACE ICS	00004
SSI/MSI DIGITAL ICS	00175
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 300
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INERTIAL REFERENCE
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES INTERMEDIATE

DESIGN APPROACH
AUTOPILOT

TECHNOLOGY
INERTIAL
DEAD RECKONING
STRAPDOWN

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00040
VOLUME (CU. FT.)	0.8E0
NO. OF MODULES	00007
POWER CONSUMPTION (W)	2.1E2

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
COMMERICAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	FAULT ISOLATION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	

MAINTENANCE CONCEPT	REMOVE & REPLACE
ORGANIZATIONAL	MINOR REPAIR
INTERMEDIATE	MAJOR REPAIR
DEPOT	

COMPLEXITY	
TOTAL NUMBER OF PARTS	04200

EQUIPMENT ID 301
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES X

DESIGN APPROACH
ANALOG
DEDICATED

TECHNOLOGY
HARDWIRED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00012
VOLUME (CU. FT.)	0.3E0
NO. OF MODULES	00012
HEIGHT (IN)	00006
WIDTH (IN)	00006
DEPTH (IN)	00017
POWER CONSUMPTION (W)	1.0E2

FAULT TOLERANCE
REDUNDANT CHANNELS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MAJOR REPAIR
DEPOT	NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	02029
NUMBER OF DIFFERENT GENERIC PART TYPES	012
NUMBER OF ACTIVE ELEMENTS	00280

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00144
HYBRID ICS	00018
LINEAR/INTERFACE ICS	00060
SSI/MSI DIGITAL ICS	00058
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 302
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE COMPUTER
DESIGN YEAR 70
APPLICATION AIRCRAFT

DESIGN APPROACH
ANALOG
DEDICATED

TECHNOLOGY
HARDWIRED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00012
VOLUME (CU. FT.)	0.3E0
NO. OF MODULES	00015
HEIGHT (IN)	00006
WIDTH (IN)	00006
DEPTH (IN)	00017
POWER CONSUMPTION (W)	8.6E1

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
NO MAINTENANCE	NONE
THROW AWAY MAINTENANCE	REMOVE & REPLACE
IN FLIGHT MAINTENANCE	MAJOR REPAIR
ORGANIZATIONAL	NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	01882
NUMBER OF DIFFERENT GENERIC PART TYPES	012
NUMBER OF ACTIVE ELEMENTS	00327

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00178
HYBRID ICS	00035
LINEAR/INTERFACE ICS	00050
SSI/MSI DIGITAL ICS	00064
LSI/MEMORY ICS	00000

MICROPROCESSORS	00000
-----------------	-------

EQUIPMENT ID 303
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES INTERMEDIATE

DESIGN APPROACH
INTERACTIVE
MANUAL
CONTROL

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00006
WEIGHT (LBS)	00003
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00003
WIDTH (IN)	00006
DEPTH (IN)	00004

FAULT TOLERANCE
GRACEFUL DEGRADATION

PART QUALITY GRADE/SCREEN CLASS
TX/883
JAN/HERMETIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL	
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	00073
NUMBER OF DIFFERENT GENERIC PART TYPES	007
NUMBER OF ACTIVE ELEMENTS	00003

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00003
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 304
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INERTIAL REFERENCE
DESIGN YEAR 70
APPLICATION AIRCRAFT
PART DERATING GUIDELINES INTERMEDIATE

DESIGN APPROACH
AUTOPILOT

TECHNOLOGY
INERTIAL
STRAPDOWN

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00002
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00002
WIDTH (IN)	00004
DEPTH (IN)	00004

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
MANUAL BITE

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	00068

EQUIPMENT ID	305
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION
EQUIPMENT TYPE	INERTIAL REFERENCE
DESIGN YEAR	70
APPLICATION	AIRCRAFT
PART DERATING GUIDELINES	INTERMEDIATE

DESIGN APPROACH
AUTOPILOT

TECHNOLOGY
INERTIAL
STRAPDOWN

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00007
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00005
WIDTH (IN)	00004
DEPTH (IN)	00007

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
MANUAL BITE

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	00070

EQUIPMENT ID	306
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION
EQUIPMENT TYPE	TRANSDUCER
DESIGN YEAR	70
APPLICATION	AIRCRAFT
PART DERATING GUIDELINES	INTERMEDIATE

DESIGN APPROACH
INTERACTIVE
CLOSED LOOP
CONTROL

TECHNOLOGY
SERVO
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00003
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00006
WIDTH (IN)	00002
DEPTH (IN)	00004

FAULT TOLERANCE
GRACEFUL DEGRADATION

PART QUALITY GRADE/SCREEN CLASS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL	
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MAJOR REPAIR
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	00058

EQUIPMENT ID	307
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION
EQUIPMENT TYPE	TRANSDUCER
DESIGN YEAR	70
APPLICATION	AIRCRAFT
PART DERATING GUIDELINES	INTERMEDIATE

DESIGN APPROACH
AUTOMATIC CONTROL
CONTROL

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00003
WIDTH (IN)	00005
DEPTH (IN)	00005

FAULT TOLERANCE
REDUNDANT CHANNELS

PART QUALITY GRADE/SCREEN CLASS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
MANUAL BITE

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	00020

EQUIPMENT ID	309
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	70
APPLICATION	AIRCRAFT

DESIGN APPROACH
 ALPHANUMERIC
 GRAPHIC
 HEAD UP
 MANUAL
 NON-INTERACTIVE
 OPEN LOOP
 CONTROL
 DISPLAY

TECHNOLOGY
 CRT
 PROJECTION
 ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
DISPLAY AREA (SQ IN)	00038
NO. OF CONTROLS	00008
WEIGHT (LBS)	00061
VOLUME (CU. FT.)	1.1E0
NO. OF MODULES	00025
POWER CONSUMPTION (W)	3.2E2

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TXV/JAN 38510
 TX/883
 JAN/HERMETIC ICS

TYPE OF COOLING
 FORCED AIR (FAN)

SELF TEST CAPABILITY
 AUTOMATED BIT

SELF TEST IMPLEMENTATION
 SOFTWARE CONTROLLED
 HARDWARE CONTROLLED
 PANEL INDICATOR

DIAGNOSE TO/REPLACE LEVEL
 EQUIPMENT

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	01594
NUMBER OF DIFFERENT GENERIC PART TYPES	015
NUMBER OF ACTIVE ELEMENTS	00855

ACTIVE ELEMENT COUNT	
TUBES	00001
DISCRETE SEMICONDUCTORS	00092
HYBRID ICS	00051
LINEAR/INTERFACE ICS	00073
SSI/MSI DIGITAL ICS	00608
LSI/MEMORY ICS	00030
MICROPROCESSORS	00000

EQUIPMENT ID 310
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 70
APPLICATION AIRCRAFT

DESIGN APPROACH
ANALOG
DIGITAL
DEDICATED

TECHNOLOGY
SEMICONDUCTOR

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00016
VOLUME (CU. FT.)	0.4E0
NO. OF MODULES	00016
HEIGHT (IN)	00006
WIDTH (IN)	00008
DEPTH (IN)	00015
POWER CONSUMPTION (W)	2.0E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION

SOFTWARE CONTROLLED
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
EQUIPMENT

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	01105
NUMBER OF DIFFERENT GENERIC PART TYPES	014
NUMBER OF ACTIVE ELEMENTS	00755

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00092
HYBRID ICS	00030
LINEAR/INTERFACE ICS	00037
SSI/MSI DIGITAL ICS	00566
LSI/MEMORY ICS	00030
MICROPROCESSORS	00000

EQUIPMENT ID 512
EQUIPMENT CATEGORY CONTROLS/DISPLAYS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 70
APPLICATION AIRCRAFT

DESIGN APPROACH
ALPHANUMERIC
GRAPHIC
HEAD UP
MANUAL
NON-INTERACTIVE
OPEN LOOP
CONTROL
DISPLAY

TECHNOLOGY
CRT
PROJECTION
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
DISPLAY AREA (SQ IN)	00038
NO. OF CONTROLS	00008
WEIGHT (LBS)	00046
VOLUME (CU. FT.)	0.7E0
NO. OF MODULES	00009
HEIGHT (IN)	00008
WIDTH (IN)	00007
DEPTH (IN)	00021
POWER CONSUMPTION (W)	1.2E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
EQUIPMENT

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	REMOVE & REPLACE
DEPOT	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	00489
NUMBER OF DIFFERENT GENERIC PART TYPES	009
NUMBER OF ACTIVE ELEMENTS	00100

ACTIVE ELEMENT COUNT	
TUBES	00001
DISCRETE SEMICONDUCTORS	00000
HYBRID ICS	00021
LINEAR/INTERFACE ICS	00036
SSI/MSI DIGITAL ICS	00042
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

314
CONTROLS/DISPLAYS
MISC
70
AIRCRAFT

DESIGN APPROACH
DISPLAY

TECHNOLOGY
PROJECTION

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00004
HEIGHT (IN)	00009
WIDTH (IN)	00001
DEPTH (IN)	00008

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

315
WEAPONS
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00049
VOLUME (CU. FT.)	1.2E0
NO. OF MODULES	00002
POWER CONSUMPTION (W)	2.4E2

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

316
WEAPONS
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
CONTROL

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

317
WEAPONS
A/D OR D/A
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00039
VOLUME (CU. FT.)	0.9E0
NO. OF MODULES	00001
HEIGHT (IN)	00006
WIDTH (IN)	00030
DEPTH (IN)	00010

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

318
TEST EQUIP.
70
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

319
TEST EQUIP.
70
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

320
TEST EQUIP.
70
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

321
GUIDANCE/NAVIGATION
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00006
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00006
POWER CONSUMPTION (W)	2.0E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

322
GUIDANCE/NAVIGATION
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
ALPHANUMERIC
DISPLAY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00005
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00005
HEIGHT (IN)	00005
WIDTH (IN)	00007
DEPTH (IN)	00007

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

323
GUIDANCE/NAVIGATION
70
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00002
WIDTH (IN)	00002
DEPTH (IN)	00003

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

324
COMMUNICATIONS
70
AIRCRAFT

DESIGN APPROACH
RADIO
DIRECTION FINDER

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00011
VOLUME (CU. FT.)	0.3E0
POWER CONSUMPTION (W)	1.6E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

325
COMMUNICATIONS
AMPLIFIER, RF
70
AIRCRAFT

DESIGN APPROACH
DIRECTION FINDER

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00005
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00009
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00007

EQUIPMENT ID	326	
EQUIPMENT CATEGORY	COMMUNICATIONS	
EQUIPMENT TYPE	ANTENNA	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
MAJOR PARAMETERS	VALUE	
WEIGHT (LBS)	00006	
VOLUME (CU. FT.)	0.2E0	
NO. OF MODULES	00001	
HEIGHT (IN)	00011	
WIDTH (IN)	00011	
DEPTH (IN)	00004	
EQUIPMENT ID	327	
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
DESIGN APPROACH		
DISPLAY		
MAJOR PARAMETERS	VALUE	
WEIGHT (LBS)	00042	
VOLUME (CU. FT.)	0.7E0	
NO. OF MODULES	00033	
POWER CONSUMPTION (W)	3.0E2	
TYPE OF COOLING		
AMBIENT AIR (NORMAL CONVECTION)		
FORCED AIR (FAN)		
ACTIVE ELEMENT COUNT		
HYBRID ICS	00009	
LINEAR/INTERFACE ICS	00064	
SSI/MSI DIGITAL ICS	00385	
LSI/MEMORY ICS	00021	
EQUIPMENT ID	328	
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS	
EQUIPMENT TYPE	SIGNAL/DATA PROCESSOR	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
MAJOR PARAMETERS	VALUE	
WEIGHT (LBS)	00021	
VOLUME (CU. FT.)	0.4E0	
NO. OF MODULES	00016	
HEIGHT (IN)	00006	
WIDTH (IN)	00008	
DEPTH (IN)	00014	
POWER CONSUMPTION (W)	. 2	
TYPE OF COOLING		
FORCED AIR (FAN)		
SELF TEST CAPABILITY		
AUTOMATED BIT		
SELF TEST IMPLEMENTATION		
HARDWARE CONTROLLED		
PANEL INDICATORS		
FAULT CONTROL		
AUTOMATED ON LINE FAULT DETECTION		
COMPLEXITY		
TOTAL NUMBER OF PARTS	02028	
NUMBER OF DIFFERENT GENERIC PART TYPES	013	
NUMBER OF ACTIVE ELEMENTS	00873	
ACTIVE ELEMENT COUNT		
TUBES	00000	
DISCRETE SEMICONDUCTORS	00388	
HYBRID ICS	00009	
LINEAR/INTERFACE ICS	00061	
SSI/MSI DIGITAL ICS	00394	
LSI/MEMORY ICS	00021	
MICROPROCESSORS	00000	

EQUIPMENT ID	329	
EQUIPMENT CATEGORY	CONTROLS/DISPLAYS	
EQUIPMENT TYPE	INDICATOR/CONTROL	
DESIGN YEAR	70	
APPLICATION	AIRCRAFT	
DESIGN APPROACH		
DISPLAY		
MAJOR PARAMETERS	VALUE	
WEIGHT (LBS)	00021	
VOLUME (CU. FT.)	0.3E0	
NO. OF MODULES	00017	
HEIGHT (IN)	00005	
WIDTH (IN)	00006	
DEPTH (IN)	00015	
TYPE OF COOLING		
AMBIENT AIR (NORMAL CONVECTION)		
ACTIVE ELEMENT COUNT		
LINEAR/INTERFACE ICS	00003	
SSI/MSI DIGITAL ICS	00004	
EQUIPMENT ID	330	
EQUIPMENT CATEGORY	ECM/EW	
APPLICATION	AIRCRAFT	
MAJOR PARAMETERS	VALUE	
WEIGHT (LBS)	00056	
VOLUME (CU. FT.)	0.5E0	
NO. OF MODULES	00038	
POWER CONSUMPTION (W)	1.7E2	
EQUIPMENT ID	331	
EQUIPMENT CATEGORY	ECM/EW	
EQUIPMENT TYPE	ANTENNA	
APPLICATION	AIRCRAFT	
MAJOR PARAMETERS	VALUE	
WEIGHT (LBS)	00002	
VOLUME (CU. FT.)	0.1E0	
NO. OF MODULES	00001	
HEIGHT (IN)	00008	
WIDTH (IN)	00014	
DEPTH (IN)	00001	
EQUIPMENT ID	332	
EQUIPMENT CATEGORY	ECM/EW	
EQUIPMENT TYPE	ANTENNA	
APPLICATION	AIRCRAFT	
MAJOR PARAMETERS	VALUE	
WEIGHT (LBS)	00002	
VOLUME (CU. FT.)	0.1E0	
NO. OF MODULES	00001	
HEIGHT (IN)	00008	
WIDTH (IN)	00014	
DEPTH (IN)	00001	
EQUIPMENT ID	333	
EQUIPMENT CATEGORY	ECM/EW	
EQUIPMENT TYPE	ANTENNA	
APPLICATION	AIRCRAFT	
MAJOR PARAMETERS	VALUE	
WEIGHT (LBS)	00003	
VOLUME (CU. FT.)	0.1E0	
NO. OF MODULES	00001	
HEIGHT (IN)	00006	
WIDTH (IN)	00006	
DEPTH (IN)	00016	

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
APPLICATION

334
ECM/EW
MULTIPLEXOR/DEMULTIPLEXOR
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00004
0.1E0
00001
00004
00004
00009

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
APPLICATION

335
ECM/EW
TRANSCIVER
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00031
0.5E0
00033
00006
00008
00017

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
APPLICATION

336
ECM/EW
INDICATOR/CONTROL
AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS)
VOLUME (CU. FT.)
NO. OF MODULES
HEIGHT (IN)
WIDTH (IN)
DEPTH (IN)

VALUE
00001
0.1E0
00001
00003
00004
00008

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH

337
COMMUNICATIONS
72
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCIVER

TECHNOLOGY
SOLID STATE
AM
CW
HALF DUPLEX

MAJOR PARAMETERS
FREQ BAND
AVG RF POWER (W)
SIMULTANEOUS CHANNELS
CHANNEL WIDTH (HZ)
RECEIVER SENSITIVITY (UV)
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ000020

VALUE
UHF
1.0E1
00001
2.5E4
4.0E0

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH
DESIGN APPROACH
MANUAL
OPEN LOOP
CONTROL

338
COMMUNICATIONS
INDICATOR/CONTROL
72
AIRCRAFT
1 TO 8 HRS.

TECHNOLOGY
ELECTROMECHANICAL

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR

339
COMMUNICATIONS
INDICATOR/CONTROL
72

APPLICATION
MISSION LENGTH

AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
ALPHANUMERIC
DISPLAY

TECHNOLOGY
ELECTROMECHANICAL

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

340
COMMUNICATIONS
TRANSCIVER
72
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCIVER

TECHNOLOGY
SOLID STATE
AM
CW
HALF DUPLEX

MAJOR PARAMETERS
FREQ BAND
AVG RF POWER (W)
SIMULTANEOUS CHANNELS
CHANNEL WIDTH (HZ)
RECEIVER SENSITIVITY (UV)
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ000020
WEIGHT (LBS)

VALUE
UHF
1.0E0
00001
2.5E4
4.0E0
00006

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH

347
COMMUNICATIONS
72
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCIVER

TECHNOLOGY
SOLID STATE
AM
CW
HALF DUPLEX

MAJOR PARAMETERS

FREQ BAND
AVG RF POWER (W)
SIMULTANEOUS CHANNELS
CHANNEL WIDTH (HZ)
RECEIVER SENSITIVITY (UV)
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ000020

VALUE
UHF
1.0E1
00001
2.5E4
4.0E0

EQUIPMENT ID 348
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.

DESIGN APPROACH
MANUAL
OPEN LOOP
CONTROL

TECHNOLOGY
ELECTROMECHANICAL

EQUIPMENT ID 349
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.

DESIGN APPROACH
ALPHANUMERIC
DISPLAY

TECHNOLOGY
ELECTROMECHANICAL

EQUIPMENT ID 350
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCEIVER

TECHNOLOGY
SOLID STATE
AM
CW
HALF DUPLEX

MAJOR PARAMETERS	VALUE
AVG RF POWER (W)	1.0E0
SIMULTANEOUS CHANNELS	00001
CHANNEL WIDTH (HZ)	2.5E4
RECEIVER SENSITIVITY (UV)	4.0E0
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	000020

EQUIPMENT ID 351,351A
EQUIPMENT CATEGORY COMMUNICATIONS
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCEIVER

TECHNOLOGY
SOLID STATE
AM
CW
HALF DUPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
AVG RF POWER (W)	1.0E1
SIMULTANEOUS CHANNELS	00002
CHANNEL WIDTH (HZ)	2.5E4
RECEIVER SENSITIVITY (UV)	4.0E0
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	000020
DUTY CYCLE (% ON)	017.0
WEIGHT (LBS)	00017
VOLUME (CU. FT.)	0.9E0
NO. OF MODULES	00008
HEIGHT (IN)	00010
WIDTH (IN)	00005
DEPTH (IN)	00030
POWER CONSUMPTION (W)	1.1E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	02250
NUMBER OF DIFFERENT GENERIC PART TYPES	011
NUMBER OF ACTIVE ELEMENTS	00520

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00388
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00069
SSI/MSI DIGITAL ICS	00063
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 352.352A
 EQUIPMENT CATEGORY COMMUNICATIONS
 EQUIPMENT TYPE INDICATOR/CONTROL
 DESIGN YEAR 72
 APPLICATION AIRCRAFT
 MISSION LENGTH 1 TO 8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 MANUAL
 OPEN LOOP
 CONTROL

TECHNOLOGY
 ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00013
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00002
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00003
POWER CONSUMPTION (W)	1.0E1

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TXV/JAN 38510
 TX/883
 JAN/HERMETIC ICS
 COMMERICAL/PLASTIC ICS

TYPE OF COOLING
 AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
 NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	00714
NUMBER OF DIFFERENT GENERIC PART TYPES	010
NUMBER OF ACTIVE ELEMENTS	00153

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00129
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00016
SSI/MSI DIGITAL ICS	00008
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 353
 EQUIPMENT CATEGORY COMMUNICATIONS
 EQUIPMENT TYPE INDICATOR/CONTROL
 DESIGN YEAR 72
 APPLICATION AIRCRAFT
 MISSION LENGTH 1 TO 8 HRS.
 PART DERATING GUIDELINES INTERMEDIATE
 MISSION CRITICALITY HIGH

DESIGN APPROACH
 MANUAL
 OPEN LOOP
 CONTROL

TECHNOLOGY
 ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00013
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00002
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00003
POWER CONSUMPTION (W)	1.0E1

FAULT TOLERANCE
 NONE

PART QUALITY GRADE/SCREEN CLASS
 TXV/JAN 38510
 TX/883
 JAN/HERMETIC ICS
 COMMERICAL/PLASTIC ICS

TYPE OF COOLING
 AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
 NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	00714
NUMBER OF DIFFERENT GENERIC PART TYPES	010
NUMBER OF ACTIVE ELEMENTS	00153

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00129
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00016
SSI/MSI DIGITAL ICS	00008
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID	354
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	72
APPLICATION	AIRCRAFT
MISSION LENGTH	1 TO 8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
MANUAL
OPEN LOOP
CONTROL

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00013
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00002
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00003
POWER CONSUMPTION (W)	1.0E1

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	00714
NUMBER OF DIFFERENT GENERIC PART TYPES	010
NUMBER OF ACTIVE ELEMENTS	00153

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00129
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00016
SSI/MSI DIGITAL ICS	00008
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID	355
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	72
APPLICATION	AIRCRAFT
MISSION LENGTH	1 TO 8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
MANUAL
OPEN LOOP
CONTROL

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00013
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00002
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00003
POWER CONSUMPTION (W)	1.0E1

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	00714
NUMBER OF DIFFERENT GENERIC PART TYPES	010
NUMBER OF ACTIVE ELEMENTS	00153

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00129
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00016
SSI/MSI DIGITAL ICS	00008
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID	356,356A
EQUIPMENT CATEGORY	COMMUNICATIONS
EQUIPMENT TYPE	INDICATOR/CONTROL
DESIGN YEAR	72
APPLICATION	AIRCRAFT
MISSION LENGTH	1 TO 8 HRS.
PART DERATING GUIDELINES	INTERMEDIATE
MISSION CRITICALITY	HIGH

DESIGN APPROACH
ALPHANUMERIC
DISPLAY

TECHNOLOGY
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CHARACTER LINES	00001
NO. OF CHARACTERS/LINE	00005
WEIGHT (LBS)	00001
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00002
WIDTH (IN)	00002
DEPTH (IN)	00006

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

COMPLEXITY
TOTAL NUMBER OF PARTS 00187
NUMBER OF DIFFERENT GENERIC PART TYPES 009
NUMBER OF ACTIVE ELEMENTS 00117

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00089
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00012
SSI/MSI DIGITAL ICS 00016
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 357,357A
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00005
VOLUME (CU. FT.) 0.5E0
NO. OF MODULES 00001
HEIGHT (IN) 00010
WIDTH (IN) 00004
DEPTH (IN) 00020

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

COMPLEXITY
TOTAL NUMBER OF PARTS 00003
NUMBER OF DIFFERENT GENERIC PART TYPES 001
NUMBER OF ACTIVE ELEMENTS 00000

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00000
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00000
SSI/MSI DIGITAL ICS 00000
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 358
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INTERCONNECTION/DISTRIBUTION
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00005
VOLUME (CU. FT.) 1.5E0
NO. OF MODULES 00001
HEIGHT (IN) 00010
WIDTH (IN) 00011
DEPTH (IN) 00023

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

COMPLEXITY
TOTAL NUMBER OF PARTS 00003
NUMBER OF DIFFERENT GENERIC PART TYPES 001
NUMBER OF ACTIVE ELEMENTS 00000

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00000
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00000
SSI/MSI DIGITAL ICS 00000
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 359
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.
PART DERATING GUIDELINES INTERMEDIATE

MAJOR PARAMETERS VALUE
WEIGHT (LBS) 00006
VOLUME (CU. FT.) 0.1E0
NO. OF MODULES 00001
HEIGHT (IN) 00002
WIDTH (IN) 00003
DEPTH (IN) 00001

FAULT TOLERANCE
NONE

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

EQUIPMENT ID 360, 360A
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCEIVER

TECHNOLOGY
SOLID STATE
AM
CW
HALF DUPLEX

MAJOR PARAMETERS VALUE
FREQ BAND UHF
AVG RF POWER (W) 1.0E1
SIMULTANEOUS CHANNELS 00002
CHANNEL WIDTH (HZ) 2.5E4
RECEIVER SENSITIVITY (UV) 4.0E0
DUTY CYCLE (% ON) 017.0
WEIGHT (LBS) 00008
VOLUME (CU. FT.) 0.1E0
NO. OF MODULES 00005
HEIGHT (IN) 00005
WIDTH (IN) 00005
DEPTH (IN) 00007
POWER CONSUMPTION (W) 1.1E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

COMPLEXITY
TOTAL NUMBER OF PARTS 01345
NUMBER OF DIFFERENT GENERIC PART TYPES 010
NUMBER OF ACTIVE ELEMENTS 00250

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00170
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00041
SSI/MSI DIGITAL ICS 00039
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 361
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCEIVER

TECHNOLOGY
SOLID STATE
AM
CW
HALF DUPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
AVG RF POWER (W)	1.0E1
SIMULTANEOUS CHANNELS	00002
CHANNEL WIDTH (HZ)	2.5E4
RECEIVER SENSITIVITY (UV)	4.0E0
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	000020
DUTY CYCLE (% ON)	017.0
WEIGHT (LBS)	00009
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00005
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00009
POWER CONSUMPTION (W)	1.1E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	01948
NUMBER OF DIFFERENT GENERIC PART TYPES	010
NUMBER OF ACTIVE ELEMENTS	00359

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00275
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00048
SSI/MSI DIGITAL ICS	00036
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 362
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 72
APPLICATION AIRCRAFT
MISSION LENGTH 1 TO 8 HRS.
PART DERATING GUIDELINES INTERMEDIATE
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCEIVER

TECHNOLOGY
SOLID STATE
AM
CW
HALF DUPLEX

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
AVG RF POWER (W)	1.0E1
SIMULTANEOUS CHANNELS	00002
CHANNEL WIDTH (HZ)	2.5E4
RECEIVER SENSITIVITY (UV)	4.0E0
NO. OF SELECTABLE/PRESET TRANSMITTING FREQ	000020
DUTY CYCLE (% ON)	017.0
WEIGHT (LBS)	00009
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00005
HEIGHT (IN)	00005
WIDTH (IN)	00005
DEPTH (IN)	00009
POWER CONSUMPTION (W)	1.1E2

FAULT TOLERANCE
NONE

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883
JAN/HERMETIC ICS
COMMERCIAL/PLASTIC ICS

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
NONE

COMPLEXITY	
TOTAL NUMBER OF PARTS	01948
NUMBER OF DIFFERENT GENERIC PART TYPES	010
NUMBER OF ACTIVE ELEMENTS	00359

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00275
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00048
SSI/MSI DIGITAL ICS	00036
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 363
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00319
VOLUME (CU. FT.)	5.4E0
NO. OF MODULES	00035

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 364
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00022
VOLUME (CU. FT.)	0.7E0

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 365
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00019
VOLUME (CU. FT.)	0.4E0

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 366
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00021
VOLUME (CU. FT.)	0.3E0
NO. OF MODULES	00012
HEIGHT (IN)	00010
WIDTH (IN)	00007
DEPTH (IN)	00016
POWER CONSUMPTION (W)	5.5E1

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

COMPLEXITY	
TOTAL NUMBER OF PARTS	01125
NUMBER OF DIFFERENT GENERIC PART TYPES	015
NUMBER OF ACTIVE ELEMENTS	00292

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00251
HYBRID ICS	00013
LINEAR/INTERFACE ICS	00021
SSI/MSI DIGITAL ICS	00007
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 367
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00013
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00010
WIDTH (IN)	00004
DEPTH (IN)	00007
POWER CONSUMPTION (W)	3.5E1

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 368
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE FREQ/TIMING GENERATOR
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00033
VOLUME (CU. FT.)	1.1E0
NO. OF MODULES	00008
HEIGHT (IN)	00010
WIDTH (IN)	00010
DEPTH (IN)	00023
POWER CONSUMPTION (W)	1.4E2

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

COMPLEXITY	
TOTAL NUMBER OF PARTS	01313
NUMBER OF DIFFERENT GENERIC PART TYPES	015
NUMBER OF ACTIVE ELEMENTS	00290

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00126
HYBRID ICS	00032
LINEAR/INTERFACE ICS	00052
SSI/MSI DIGITAL ICS	00080
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 369
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE POWER SUPPLY
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00049
VOLUME (CU. FT.)	0.7E0
NO. OF MODULES	00006
HEIGHT (IN)	00010
WIDTH (IN)	00021
DEPTH (IN)	00007
POWER CONSUMPTION (W)	3.3E2

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 370
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00039
VOLUME (CU. FT.)	0.6E0
HEIGHT (IN)	00021
WIDTH (IN)	00009
DEPTH (IN)	00013
POWER CONSUMPTION (W)	2.8E1

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 371
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00020
VOLUME (CU. FT.)	0.2E0
HEIGHT (IN)	00017
WIDTH (IN)	00008
DEPTH (IN)	00008
POWER CONSUMPTION (W)	2.5E1

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 372
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00030
VOLUME (CU. FT.)	0.4E0
NO. OF MODULES	00006
HEIGHT (IN)	00007
WIDTH (IN)	00015
DEPTH (IN)	00007
POWER CONSUMPTION (W)	4.4E1

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 373
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE MISC
DESIGN YEAR 74

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00002
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00001
WIDTH (IN)	00005
DEPTH (IN)	00006
POWER CONSUMPTION (W)	2.0E0

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

EQUIPMENT ID 374
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 74
MISSION CRITICALITY HIGH

DESIGN APPROACH
ALPHANUMERIC
KEYBOARD ENTRY
INTERACTIVE
GRAPHIC
MANUAL

TECHNOLOGY
CRT
UNKNOWN
UNKNOWN

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00076
VOLUME (CU. FT.)	1.2E0
NO. OF MODULES	00007
POWER CONSUMPTION (W)	7.3E2

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

FORCED AIR (FAN)
SELF TEST CAPABILITY
SEMI AUTOMATED BIT
SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE

ACTIVE ELEMENT COUNT	
TUBES	00004

EQUIPMENT ID 375
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 74

DESIGN APPROACH
ALPHANUMERIC
KEYBOARD ENTRY
INTERACTIVE
MANUAL

TECHNOLOGY
UNKNOWN

MAJOR PARAMETERS	VALUE
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00003
WIDTH (IN)	00005
DEPTH (IN)	00005

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE

EQUIPMENT ID 376
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE A/D OR D/A
DESIGN YEAR 74

MAJOR PARAMETERS	VALUE
VOLUME (CU. FT.)	0.5E0
HEIGHT (IN)	00008
WIDTH (IN)	00010
DEPTH (IN)	00010

EQUIPMENT ID 377
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 74

DESIGN APPROACH
INTERACTIVE
MANUAL

TECHNOLOGY
UNKNOWN

MAJOR PARAMETERS	VALUE
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00002
WIDTH (IN)	00004
DEPTH (IN)	00004

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE

EQUIPMENT ID 378
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 74

DESIGN APPROACH
001
INTERACTIVE
GRAPHIC

TECHNOLOGY
CRT
UNKNOWN
UNKNOWN

MAJOR PARAMETERS	VALUE
VOLUME (CU. FT.)	0.4E0
HEIGHT (IN)	00008
WIDTH (IN)	00010
DEPTH (IN)	00010

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
ORGANIZATIONAL	REMOVE & REPLACE

ACTIVE ELEMENT COUNT	
TUBES	00001

EQUIPMENT ID 379
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE INDICATOR/CONTROL
 DESIGN YEAR 74

DESIGN APPROACH
 ALPHANUMERIC
 INTERACTIVE
 GRAPHIC

TECHNOLOGY
 UNKNOWN

MAJOR PARAMETERS	VALUE
VOLUME (CU. FT.)	0.4E0
HEIGHT (IN)	00008
WIDTH (IN)	00010
DEPTH (IN)	00008

SELF TEST CAPABILITY
 SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
 SOFTWARE CONTROLLED
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 ORGANIZATIONAL REMOVE & REPLACE

ACTIVE ELEMENT COUNT
 TUBES 00002

EQUIPMENT ID 380
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE INDICATOR/CONTROL
 DESIGN YEAR 74

DESIGN APPROACH
 ALPHANUMERIC
 INTERACTIVE
 GRAPHIC

TECHNOLOGY
 UNKNOWN
 UNKNOWN

MAJOR PARAMETERS	VALUE
UNKNOWN	00003
UNKNOWN	00003
DISPLAY AREA (SQ IN)	00007
UNKNOWN	00004
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00003
WIDTH (IN)	00003
DEPTH (IN)	00007

SELF TEST CAPABILITY
 SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
 SOFTWARE CONTROLLED
 PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
 UNIT (LRU/PRU)

FAULT CONTROL
 MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
 ORGANIZATIONAL REMOVE & REPLACE

ACTIVE ELEMENT COUNT
 TUBES 00001

EQUIPMENT ID 381
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE POWER SUPPLY
 DESIGN YEAR 74

MAJOR PARAMETERS	VALUE
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00002
WIDTH (IN)	00003
DEPTH (IN)	00005

EQUIPMENT ID	382
EQUIPMENT CATEGORY	RADAR
EQUIPMENT TYPE	COMPUTER
APPLICATION	AIRCRAFT
MISSION LENGTH	1 TO 8 HRS.

DESIGN APPROACH
PARALLEL
DMA CHANNEL
PARITY CHECKING
DIGITAL
GENERAL PURPOSE

TECHNOLOGY
MAGNETIC CORE

MAJOR PARAMETERS	VALUE
CLOCK FREQ (HZ)	1.0E6
WORD LENGTH (CHAR)	00016
MEMORY SIZE (WORDS)	6.6E4
INTERRUPT LEVELS	00024
NO. OF BUSSES	00001
NO. OF REGISTERS	00010
NO. OF INPUT PORTS	00002
NO. OF OUTPUT PORTS	00002
WEIGHT (LBS)	00054
VOLUME (CU. FT.)	1.1E0
NO. OF MODULES	00004
HEIGHT (IN)	00018
WIDTH (IN)	00008
DEPTH (IN)	00014
POWER CONSUMPTION (W)	2.8E2

TYPE OF COOLING
FORCED AIR (FAN)

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
GENERAL PURPOSE COMPUTER
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE

EQUIPMENT ID	383
EQUIPMENT CATEGORY	RADAR
EQUIPMENT TYPE	RECEIVER
DESIGN YEAR	74
APPLICATION	AIRCRAFT
MISSION LENGTH	1 TO 8 HRS.

DESIGN APPROACH
SIDE LOOKING
ECCM
MULTICHANNEL/MULTIFREQUENCY

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00014
VOLUME (CU. FT.)	0.1E0
HEIGHT (IN)	00009
WIDTH (IN)	00004
DEPTH (IN)	00007
POWER CONSUMPTION (W)	3.2E1

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
SOFTWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
ASSY (SRU)

FAULT CONTROL
AUTOMATED ON LINE FAULT DETECTION
AUTOMATED OFF LINE FAULT ISOLATION
MANUAL FAULT ISOLATION

COMPLEXITY	
TOTAL NUMBER OF PARTS	00183
NUMBER OF DIFFERENT GENERIC PART TYPES	006
NUMBER OF ACTIVE ELEMENTS	00041

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00006
HYBRID ICS	00035
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 384
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE RECEIVER
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO
LORAN OR OMEGA
GEOGRAPHIC POSITION

TECHNOLOGY
DEAD RECKONING
RADIO

MAJOR PARAMETERS	VALUE
POSITION ACCURACY (FT)	2.4E4
RANGE (MILES)	8.0E3
WAY POINTS	00009
DESTINATIONS	00008
FREQUENCY BAND	VLF
WEIGHT (LBS)	00032
VOLUME (CU. FT.)	1.0E0
NO. OF MODULES	00016

FAULT TOLERANCE
NONE

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	FAULT DETECTION
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS			
ECHELON	SKILL LEVEL	PERSONNEL	
ORGANIZATION	3		

COMPLEXITY	
TOTAL NUMBER OF PARTS	00838
NUMBER OF ACTIVE ELEMENTS	00322

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00073
HYBRID ICS	00003
LINEAR/INTERFACE ICS	00013
SSI/MSI DIGITAL ICS	00099
LSI/MEMORY ICS	00133
MICROPROCESSORS	00001

EQUIPMENT ID 385
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE ANTENNA
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
RADIO

MAJOR PARAMETERS	VALUE
RANGE (MILES)	8.0E3
FREQUENCY BAND	VLF
WEIGHT (LBS)	00003
VOLUME (CU. FT.)	0.1E0
NO. OF MODULES	00001
HEIGHT (IN)	00002
WIDTH (IN)	00006
DEPTH (IN)	00006

FAULT TOLERANCE
NONE

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	FAULT DETECTION
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
THROW AWAY MAINTENANCE	REMOVE & REPLACE
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	NONE

MAINTENANCE ECHELONS			
ECHELON	SKILL LEVEL	PERSONNEL	
ORGANIZATION	3		

COMPLEXITY	
TOTAL NUMBER OF PARTS	00077
NUMBER OF ACTIVE ELEMENTS	00021

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00021
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 386
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE INDICATOR/CONTROL
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
ALPHANUMERIC
KEYBOARD ENTRY
MANUAL

MAJOR PARAMETERS	VALUE
NUMBER OF KEYS	00014
DISPLAY AREA (SQ IN)	00006
NO. OF CONTROLS	00005
WEIGHT (LBS)	00004
VOLUME (CU. FT.)	0.120
NO. OF MODULES	00005
HEIGHT (IN)	00006
WIDTH (IN)	00006
DEPTH (IN)	00007

FAULT TOLERANCE
NONE

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	

COMPLEXITY	
TOTAL NUMBER OF PARTS	00121
NUMBER OF ACTIVE ELEMENTS	00058

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00001
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00027
LSI/MEMORY ICS	00030
MICROPROCESSORS	00000

EQUIPMENT ID 387
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
APPLICATION AIRCRAFT
MISSION LENGTH >8 HRS.
MISSION CRITICALITY HIGH

DESIGN APPROACH
DIGITAL
DEDICATED

TECHNOLOGY
SEMICONDUCTOR

MAJOR PARAMETERS	VALUE
NO. OF INPUT PORTS	00006
NO. OF OUTPUT PORTS	00010
WEIGHT (LBS)	00025
VOLUME (CU. FT.)	0.620
NO. OF MODULES	00010
HEIGHT (IN)	00008
WIDTH (IN)	00007
DEPTH (IN)	00020

FAULT TOLERANCE
NONE

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

SELF TEST CAPABILITY
SEMI AUTOMATED BIT

SELF TEST IMPLEMENTATION
MICROPROCESSOR
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
UNIT (LRU/PRU)

FAULT CONTROL	
AUTOMATED ON LINE	FAULT DETECTION
AUTOMATED OFF LINE	FAULT ISOLATION
MANUAL	FAULT ISOLATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MINOR REPAIR
DEPOT	MAJOR REPAIR

MAINTENANCE ECHELONS		
ECHELON	SKILL LEVEL	PERSONNEL
ORGANIZATION	3	

COMPLEXITY	
TOTAL NUMBER OF PARTS	00640
NUMBER OF ACTIVE ELEMENTS	00243

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00051
HYBRID ICS	00003
LINEAR/INTERFACE ICS	00013
SSI/MSI DIGITAL ICS	00072
LSI/MEMORY ICS	00103
MICROPROCESSORS	00001

EQUIPMENT ID 388
EQUIPMENT CATEGORY COMMUNICATIONS

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCIVER

TECHNOLOGY
SOLID STATE
AM
WIDE BAND

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
AVG RF POWER (W)	2.0E1
SIMULTANEOUS CHANNELS	00001
CHANNEL WIDTH (HZ)	2.5E4
RECEIVER SENSITIVITY (UV)	3.0E0

EQUIPMENT ID 389
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE INDICATOR/CONTROL

DESIGN APPROACH
MANUAL
CONTROL

TECHNOLOGY
ACOUSTIC/AUDIO
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00009

EQUIPMENT ID 390
EQUIPMENT CATEGORY COMMUNICATIONS
EQUIPMENT TYPE TRANSCEIVER

DESIGN APPROACH
RADIO
AUDIO/VOICE
TRANSCIVER

TECHNOLOGY
SOLID STATE
AM
WIDE BAND

MAJOR PARAMETERS	VALUE
FREQ BAND	UHF
AVG RF POWER (W)	2.0E1
SIMULTANEOUS CHANNELS	00001
CHANNEL WIDTH (HZ)	2.5E4
RECEIVER SENSITIVITY (UV)	3.0E0

EQUIPMENT ID 397,397A
EQUIPMENT CATEGORY RADAR
DESIGN YEAR 68
APPLICATION AIRCRAFT

DESIGN APPROACH
SURVEILLANCE/SEARCH
MULTICHANNEL/MULTIFREQUENCY

TECHNOLOGY
MAGNETRON
OSCILLATING

MAJOR PARAMETERS	VALUE
FREQ BAND	X
DETECTION RANGE (MILES)	050.0
PEAK RF POWER (W)	1.4E5
AVG RF POWER (W)	1.1E2
PRF (HZ)	01600
AZ COVERAGE/ANGLE (DEG)	360.0
SCAN RATE (/MIN)	012.0
POLARIZATION	H
BEAM WIDTH (DEG)	002.5
ELEV. COVERAGE/ANGLE (DEG)	030.0
ANTENNA GAIN (DB)	034.0
POWER CONSUMPTION (W)	6.0E3

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	04417
NUMBER OF DIFFERENT GENERIC PART TYPES	018
NUMBER OF ACTIVE ELEMENTS	01112

ACTIVE ELEMENT COUNT	
TUBES	00003
DISCRETE SEMICONDUCTORS	00917
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00192
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 399.399A
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE INDICATOR/CONTROL
 DESIGN YEAR 68
 APPLICATION AIRCRAFT

DESIGN APPROACH
 INTERACTIVE
 MANUAL

TECHNOLOGY
 UNKNOWN

SELF TEST CAPABILITY
 NONE

DIAGNOSE TO/REPLACE LEVEL
 PIECE PART

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MAJOR REPAIR

COMPLEXITY
 TOTAL NUMBER OF PARTS 00009
 NUMBER OF DIFFERENT GENERIC PART TYPES 005
 NUMBER OF ACTIVE ELEMENTS 00001

ACTIVE ELEMENT COUNT
 TUBES 00000
 DISCRETE SEMICONDUCTORS 00001
 HYBRID ICS 00000
 LINEAR/INTERFACE ICS 00000
 SSI/MSI DIGITAL ICS 00000
 LSI/MEMORY ICS 00000
 MICROPROCESSORS 00000

EQUIPMENT ID 400.400A
 EQUIPMENT CATEGORY RADAR
 EQUIPMENT TYPE INDICATOR/CONTROL
 DESIGN YEAR 68
 APPLICATION AIRCRAFT

DESIGN APPROACH
 INTERACTIVE
 MANUAL

TECHNOLOGY
 UNKNOWN

SELF TEST CAPABILITY
 NONE

DIAGNOSE TO/REPLACE LEVEL
 PIECE PART

FAULT CONTROL
 AUTOMATED ON LINE NONE
 AUTOMATED OFF LINE FAULT DETECTION
 MANUAL FAULT DETECTION

MAINTENANCE CONCEPT
 IN FLIGHT MAINTENANCE NONE
 ORGANIZATIONAL REMOVE & REPLACE
 INTERMEDIATE MAJOR REPAIR

COMPLEXITY
 TOTAL NUMBER OF PARTS 00061
 NUMBER OF DIFFERENT GENERIC PART TYPES 007
 NUMBER OF ACTIVE ELEMENTS 00012

ACTIVE ELEMENT COUNT
 TUBES 00000
 DISCRETE SEMICONDUCTORS 00009
 HYBRID ICS 00000
 LINEAR/INTERFACE ICS 00003
 SSI/MSI DIGITAL ICS 00000
 LSI/MEMORY ICS 00000
 MICROPROCESSORS 00000

EQUIPMENT ID 398, 398A
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 68
APPLICATION AIRCRAFT

DESIGN APPROACH
SURVEILLANCE/SEARCH
MULTICHANNEL/MULTIFREQUENCY

TECHNOLOGY
MAGNETRON
OSCILLATING

MAJOR PARAMETERS	VALUE
FREQ BAND	X
DETECTION RANGE (MILES)	050.0
PEAK RF POWER (W)	1.4E5
AVC RF POWER (W)	1.1E2
PRF (HZ)	01600
AZ COVERAGE/ANGLE (DEG)	360.0
SCAN RATE (/MIN)	012.0
POLARIZATION	H
BEAM WIDTH (DEG)	002.5
ELEV. COVERAGE/ANGLE (DEG)	030.0
ANTENNA GAIN (DB)	034.0
POWER CONSUMPTION (W)	6.0E3

SELF TEST CAPABILITY
NONE

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	FAULT DETECTION
MANUAL	FAULT DETECTION

MAINTNANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	00013
NUMBER OF DIFFERENT GENERIC PART TYPES	007
NUMBER OF ACTIVE ELEMENTS	00003

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00003
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 401, 401A
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 68
APPLICATION AIRCRAFT

DESIGN APPROACH
INTERACTIVE
MANUAL

TECHNOLOGY
UNKNOWN
METER

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL	
AUTOMATED ON LINE	NONE
AUTOMATED OFF LINE	RECONFIGURATION
MANUAL	RECONFIGURATION

MAINTENANCE CONCEPT	
IN FLIGHT MAINTENANCE	NONE
ORGANIZATIONAL	REMOVE & REPLACE
INTERMEDIATE	MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	02561
NUMBER OF DIFFERENT GENERIC PART TYPES	015
NUMBER OF ACTIVE ELEMENTS	00632

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00462
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00170
SSI/MSI DIGITAL ICS	00000

LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 405
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE INDICATOR/CONTROL
DESIGN YEAR 72

PART QUALITY GRADE/SCREEN CLASS
TVV/JAN 38510

EQUIPMENT ID 402 402A
EQUIPMENT CATEGORY RADAR
EQUIPMENT TYPE TRANSCEIVER
DESIGN YEAR 68
APPLICATION AIRCRAFT

DESIGN APPROACH
SURVEILLANCE/SEARCH
MULTICHANNEL/MULTIFREQUENCY

TECHNOLOGY
MAGNETRON
OSCILLATING

MAJOR PARAMETERS	VALUE
FREQ BAND	X
DETECTION RANGE (MILES)	050.0
PEAK RF POWER (W)	1.4E5
AVG RF POWER (W)	1.1E2
PRF (HZ)	01600
AZ COVERAGE/ANGLE (DEG)	360.0
SCAN RATE (/MIN)	012.0
POLARIZATION	H
BEAM WIDTH (DEG)	002.5
ELEV. COVERAGE/ANGLE (DEG)	030.0
ANTENNA GAIN (DB)	034.0
POWER CONSUMPTION (W)	6.0E3

SELF TEST CAPABILITY
AUTOMATED BIT

SELF TEST IMPLEMENTATION
HARDWARE CONTROLLED
PANEL INDICATORS

DIAGNOSE TO/REPLACE LEVEL
PIECE PART

FAULT CONTROL
AUTOMATED ON LINE NONE
AUTOMATED OFF LINE RECONFIGURATION
MANUAL RECONFIGURATION

MAINTENANCE CONCEPT
IN FLIGHT MAINTENANCE NONE
ORGANIZATIONAL REMOVE & REPLACE
INTERMEDIATE MAJOR REPAIR

COMPLEXITY	
TOTAL NUMBER OF PARTS	01834
NUMBER OF DIFFERENT GENERIC PART TYPES	018
NUMBER OF ACTIVE ELEMENTS	00464

ACTIVE ELEMENT COUNT	
TUBES	00003
DISCRETE SEMICONDUCTORS	00442
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00019
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID 403
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 72

DESIGN APPROACH
ACOUSTIC

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510

TYPE OF COOLING
FORCED AIR (FAN)

COMPLEXITY	
TOTAL NUMBER OF PARTS	17458
NUMBER OF DIFFERENT GENERIC PART TYPES	019
NUMBER OF ACTIVE ELEMENTS	04704

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	01936
HYBRID ICS	00141
LINEAR/INTERFACE ICS	00308
SSI/MSI DIGITAL ICS	02002
LSI/MEMORY ICS	00312
MICROPROCESSORS	00000

EQUIPMENT ID 404
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE ANTENNA
DESIGN YEAR 72

DESIGN APPROACH
ACOUSTIC

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510

EQUIPMENT ID 406
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE RECEIVER
DESIGN YEAR 72

DESIGN APPROACH
ACOUSTIC

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

407
GUIDANCE/NAVIGATION
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
ALPHANUMERIC
INTERACTIVE
GRAPHIC
CLOSED LOOP
CONTROL
DISPLAY

TECHNOLOGY
SERVO
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00015
VOLUME (CU. FT.)	0.420
NO. OF MODULES	00015
POWER CONSUMPTION (W)	3.621

PART QUALITY GRADE/SCREEN CLASS
TX/883

COMPLEXITY	
TOTAL NUMBER OF PARTS	00499
NUMBER OF ACTIVE ELEMENTS	00213

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00122
HYBRID ICS	00008
LINEAR/INTERFACE ICS	00008
SSI/MSI DIGITAL ICS	00062
LSI/MEMORY ICS	00013
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

408
GUIDANCE/NAVIGATION
INDICATOR/CONTROL
70
AIRCRAFT

DESIGN APPROACH
ALPHANUMERIC
INTERACTIVE
GRAPHIC
CLOSED LOOP
CONTROL
DISPLAY

TECHNOLOGY
SERVO
ELECTROMECHANICAL

MAJOR PARAMETERS	VALUE
DISPLAY AREA (SQ IN)	00020
NO. OF CONTROLS	00002
WEIGHT (LBS)	00006
VOLUME (CU. FT.)	0.120
NO. OF MODULES	00005
HEIGHT (IN)	00004
WIDTH (IN)	00005
DEPTH (IN)	00006

PART QUALITY GRADE/SCREEN CLASS
TX/883

COMPLEXITY	
TOTAL NUMBER OF PARTS	00303
NUMBER OF ACTIVE ELEMENTS	00127

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00086
HYBRID ICS	00006
LINEAR/INTERFACE ICS	00003
SSI/MSI DIGITAL ICS	00023
LSI/MEMORY ICS	00009
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

409
GUIDANCE/NAVIGATION
SIGNAL/DATA PROCESS
70
AIRCRAFT

DESIGN APPROACH
DIGITAL
DEDICATED

TECHNOLOGY
SEMICONDUCTOR

MAJOR PARAMETERS	VALUE
CLOCK FREQ (HZ)	1.01
WORD LENGTH (CHAR)	0001
MEMORY SIZE (WORDS)	1.61
NO. OF INPUT PORTS	0001
NO. OF OUTPUT PORTS	0001
WEIGHT (LBS)	0001
VOLUME (CU. FT.)	0.31
NO. OF MODULES	0001
HEIGHT (IN)	0001
WIDTH (IN)	0001
DEPTH (IN)	0001

PART QUALITY GRADE/SCREEN CLASS
TX/883

COMPLEXITY	
TOTAL NUMBER OF PARTS	00196
NUMBER OF ACTIVE ELEMENTS	00086

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00036
HYBRID ICS	00002
LINEAR/INTERFACE ICS	00005
SSI/MSI DIGITAL ICS	00039
LSI/MEMORY ICS	00004
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

410
COMPUTER
70
AIRCRAFT

DESIGN APPROACH
ANALOG
DIGITAL
GENERAL PURPOSE

TECHNOLOGY
MAGNETIC CASSETTE TAPE
HARDWIRED

MAJOR PARAMETERS	VALUE
NO. OF INPUT PORTS	00008
NO. OF OUTPUT PORTS	00002
WEIGHT (LBS)	00034
VOLUME (CU. FT.)	0.7E0
NO. OF MODULES	00025
HEIGHT (IN)	00006
WIDTH (IN)	00010
DEPTH (IN)	00021
POWER CONSUMPTION (W)	1.6E2

PART QUALITY GRADE/SCREEN CLASS
TKV/JAN 38510
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

COMPLEXITY	
NUMBER OF ACTIVE ELEMENTS	00587

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00383
HYBRID ICS	00011
LINEAR/INTERFACE ICS	00031
SSI/MSI DIGITAL ICS	00154
LSI/MEMORY ICS	00008
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

411
COMPUTER
SIGNAL/DATA PROCESSOR
70
AIRCRAFT

DESIGN APPROACH
ANALOG
DIGITAL
GENERAL PURPOSE

TECHNOLOGY
MAGNETIC CASSETTE TAPE
HARDWIRED

MAJOR PARAMETERS	VALUE
NO. OF INPUT PORTS	00008
NO. OF OUTPUT PORTS	00002
VOLUME (CU. FT.)	0.7E0
NO. OF MODULES	00021
HEIGHT (IN)	00006
WIDTH (IN)	00010
DEPTH (IN)	00021

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

TYPE OF COOLING
AMBIENT AIR (NORMAL CONVECTION)

COMPLEXITY
NUMBER OF ACTIVE ELEMENTS 00587

ACTIVE ELEMENT COUNT	VALUE
TUBES	00000
DISCRETE SEMICONDUCTORS	00383
HYBRID ICS	00011
LINEAR/INTERFACE ICS	00031
SSI/MSI DIGITAL ICS	00154
LSI/MEMORY ICS	00008
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

412
COMPUTER
MISC
70
AIRCRAFT

TECHNOLOGY
MAGNETIC CASSETTE TAPE
HARDWIRED

MAJOR PARAMETERS	VALUE
NO. OF MODULES	00001

COMPLEXITY
NUMBER OF ACTIVE ELEMENTS 00000

ACTIVE ELEMENT COUNT	VALUE
TUBES	00000
DISCRETE SEMICONDUCTORS	00000
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00000
SSI/MSI DIGITAL ICS	00000
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

413
CONTROLS/DISPLAYS
73
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

414
CONTROLS/DISPLAYS
MISC
73
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

415
CONTROLS/DISPLAYS
SIGNAL/DATA PROCESSOR
73
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

416
CONTROLS/DISPLAYS
INDICATOR/CONTROL
73
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION

417
CONTROLS/DISPLAYS
73
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

418
CONTROLS/DISPLAYS
INDICATOR/CONTROL
73
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION

419
CONTROLS/DISPLAYS
INDICATOR/CONTROL
73
AIRCRAFT

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
APPLICATION

421
GUIDANCE/NAVIGATION
INERTIAL REFERENCE
AIRCRAFT

TECHNOLOGY
INERTIAL
GIMBALED

EQUIPMENT ID
EQUIPMENT CATEGORY
APPLICATION

420
GUIDANCE/NAVIGATION
AIRCRAFT

TECHNOLOGY
INERTIAL
GIMBALED

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

MAINTENANCE CONCEPT
ORGANIZATIONAL 5
INTERMEDIATE 5

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

COMPLEXITY
TOTAL NUMBER OF PARTS 01468
NUMBER OF DIFFERENT GENERIC PART TYPES 014
NUMBER OF ACTIVE ELEMENTS 00396

MAINTENANCE CONCEPT
ORGANIZATIONAL 5
INTERMEDIATE 5

COMPLEXITY
TOTAL NUMBER OF PARTS 02711
NUMBER OF DIFFERENT GENERIC PART TYPES 014
NUMBER OF ACTIVE ELEMENTS 00870

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00154
HYBRID ICS 00060
LINEAR/INTERFACE ICS 00084
SSI/MSI DIGITAL ICS 00098
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00473
HYBRID ICS 00093
LINEAR/INTERFACE ICS 00124
SSI/MSI DIGITAL ICS 00180
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 422
EQUIPMENT CATEGORY GUIDANCE/NAVIGATION
EQUIPMENT TYPE MISC
APPLICATION AIRCRAFT

PART QUALITY GRADE/SCREEN CLASS
TXV/JAN 38510
TX/883

MAINTENANCE CONCEPT
ORGANIZATIONAL 5
INTERMEDIATE 5

COMPLEXITY
TOTAL NUMBER OF PARTS 01243
NUMBER OF DIFFERENT GENERIC PART TYPES 013
NUMBER OF ACTIVE ELEMENTS 00474

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00319
HYBRID ICS 00033
LINEAR/INTERFACE ICS 00040
SSI/MSI DIGITAL ICS 00082
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 423
EQUIPMENT CATEGORY ECM/EW
APPLICATION AIRCRAFT

DESIGN APPROACH
MULTIMODE CAPABILITY
PULSED
MULTICHANNEL/MULTIFREQUENCY

TECHNOLOGY
TWT

MAJOR PARAMETERS
VOLUME (CU. FT.) 6.5E0
NO. OF MODULES 00045
POWER CONSUMPTION (W) 7.2E3

COMPLEXITY
TOTAL NUMBER OF PARTS 16138
NUMBER OF ACTIVE ELEMENTS 04485

ACTIVE ELEMENT COUNT
TUBES 00004
DISCRETE SEMICONDUCTORS 02844
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00640
SSI/MSI DIGITAL ICS 00967
LSI/MEMORY ICS 00021
MICROPROCESSORS 00009

EQUIPMENT ID 424
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE AMPLIFIER, RF
APPLICATION AIRCRAFT

TECHNOLOGY
TWT

MAJOR PARAMETERS
WEIGHT (LBS) 00062
VOLUME (CU. FT.) 1.5E0
NO. OF MODULES 00012
HEIGHT (IN) 00013
WIDTH (IN) 00008
DEPTH (IN) 00025

COMPLEXITY
TOTAL NUMBER OF PARTS 02154
NUMBER OF ACTIVE ELEMENTS 00664

ACTIVE ELEMENT COUNT
TUBES 00002
DISCRETE SEMICONDUCTORS 00526
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00062
SSI/MSI DIGITAL ICS 00074
LSI/MEMORY ICS 00000
MICROPROCESSORS 00000

EQUIPMENT ID 425
EQUIPMENT CATEGORY ECM/EW
EQUIPMENT TYPE SIGNAL/DATA PROCESSOR
APPLICATION AIRCRAFT

MAJOR PARAMETERS
WEIGHT (LBS) 00050
VOLUME (CU. FT.) 1.5E0
NO. OF MODULES 00007
HEIGHT (IN) 00013
WIDTH (IN) 00008
DEPTH (IN) 00025

COMPLEXITY
TOTAL NUMBER OF PARTS 03821
NUMBER OF ACTIVE ELEMENTS 00925

ACTIVE ELEMENT COUNT
TUBES 00000
DISCRETE SEMICONDUCTORS 00458
HYBRID ICS 00000
LINEAR/INTERFACE ICS 00180
SSI/MSI DIGITAL ICS 00276
LSI/MEMORY ICS 00008
MICROPROCESSORS 00003

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
APPLICATION

426
ECM/EW
AMPLIFIER, RF
AIRCRAFT

TECHNOLOGY
TVT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00054
VOLUME (CU. FT.)	1.5E0
NO. OF MODULES	00012
HEIGHT (IN)	00013
WIDTH (IN)	00003
DEPTH (IN)	00025

COMPLEXITY	
TOTAL NUMBER OF PARTS	04306
NUMBER OF ACTIVE ELEMENTS	01326

ACTIVE ELEMENT COUNT	
TUBES	00002
DISCRETE SEMICONDUCTORS	01052
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00124
SSI/MSI DIGITAL ICS	00148
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
DESIGN YEAR
APPLICATION
MISSION LENGTH

428
GUIDANCE/NAVIGATION
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
LORAN OR OMEGA
GEOGRAPHIC POSITION

TECHNOLOGY
INERTIAL
DEAD RECKONING
RADIO
GIMBALED

MAJOR PARAMETERS	VALUE
POSITION ACCURACY (FT)	1.2E4
RANGE (MILES)	1.0E3
DESTINATIONS	00020
VELOCITY ACCURACY (FT/SEC)	00017
HEADING ACCURACY (DEG)	01.00
FREQUENCY BAND	LF

FAULT TOLERANCE
DEGRADED MODES

PART QUALITY GRADE/SCREEN CLASS
TX/883

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
APPLICATION

427
ECM/EW
SIGNAL/DATA PROCESSOR
AIRCRAFT

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00054
VOLUME (CU. FT.)	1.5E0
NO. OF MODULES	00007
HEIGHT (IN)	00013
WIDTH (IN)	00008
DEPTH (IN)	00025

COMPLEXITY	
TOTAL NUMBER OF PARTS	05857
NUMBER OF ACTIVE ELEMENTS	01570

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00808
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00274
SSI/MSI DIGITAL ICS	00469
LSI/MEMORY ICS	00013
MICROPROCESSORS	00006

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

429
GUIDANCE/NAVIGATION
COMPUTER
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
PARALLEL
DMA CHANNEL
DIGITAL
DEDICATED

TECHNOLOGY
MAGNETIC CORE

MAJOR PARAMETERS	VALUE
CLOCK FREQ (HZ)	1.0E6
WORD LENGTH (CHAR)	00016
MEMORY SIZE (WORDS)	4.8E4
NO. OF REGISTERS	00016
NO. OF INPUT PORTS	00005
NO. OF OUTPUT PORTS	00005
WEIGHT (LBS)	00041
HEIGHT (IN)	00008
WIDTH (IN)	00011
DEPTH (IN)	00014
POWER CONSUMPTION (W)	3.2F2

PART QUALITY GRADE/SCREEN CLASS
TX/883

TYPE OF COOLING
FORCED AIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

430
GUIDANCE/NAVIGATION
INDICATOR/CONTROL
73
AIRCRAFT
1 TO 8 HRS

DESIGN APPROACH
ALPHANUMERIC
MANUAL
CONTROL
DISPLAY

MAJOR PARAMETERS	VALUE
NO. OF CONTROLS	00005
WEIGHT (LBS)	00002
HEIGHT (IN)	00003
WIDTH (IN)	00006
DEPTH (IN)	00005
POWER CONSUMPTION (W)	1.6E1

COMPLEXITY	
TOTAL NUMBER OF PARTS	00053
NUMBER OF ACTIVE ELEMENTS	00023

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00014
HYBRID ICS	00000
LINEAR/INTERFACE ICS	00002
SSI/MSI DIGITAL ICS	00007
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

431
GUIDANCE/NAVIGATION
INDICATOR/CONTROL
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
ALPHA NUMERIC
KEYBOARD ENTRY
CLOSED LOOP
CONTROL
DISPLAY

MAJOR PARAMETERS	VALUE
NO. OF CHARACTER LINES	00001
NUMBER OF KEYS	00036
NO. OF CHARACTER/LINE	00006
NO. OF CONTROLS	00007
WEIGHT (LBS)	00008
HEIGHT (IN)	00008
WIDTH (IN)	00006
DEPTH (IN)	00008
POWER CONSUMPTION (W)	7.7F1

COMPLEXITY	
TOTAL NUMBER OF PARTS	00263
NUMBER OF ACTIVE ELEMENTS	00112

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00003
HYBRID ICS	00003
LINEAR/INTERFACE ICS	00017
SSI/MSI DIGITAL ICS	00086
LSI/MEMORY ICS	00003
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

432
GUIDANCE/NAVIGATION
INTERCONNECTION/DISTRIBUTION
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
LORAN OR OMEGA
GEOGRAPHIC POSITION

TECHNOLOGY
INERTIAL
DEAD RECKONING
RADIO
GIMBALFD

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00002
HEIGHT (IN)	00003
WIDTH (IN)	00003
DEPTH (IN)	00008
POWER CONSUMPTION (W)	3.0E0

COMPLEXITY	
TOTAL NUMBER OF PARTS	00120
NUMBER OF ACTIVE ELEMENTS	00025

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00011
HYBRID ICS	00008
LINEAR/INTERFACE ICS	00004
SSI/MSI DIGITAL ICS	00002
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

433
GUIDANCE/NAVIGATION
CONVERTER D/A OR A/D
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
MULTIPROCESSOR
DIGITAL
DEDICATED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00020
NO. OF MODULES	00010
HEIGHT (IN)	00009
WIDTH (IN)	00008
DEPTH (IN)	00009
POWER CONSUMPTION (W)	1.4E2

TYPE OF COOLING
FORCED AIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

434
GUIDANCE/NAVIGATION
I/O DEVICE
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
ALPHANUMERIC
NON-INTERACTIVE
DISPLAY

MAJOR PARAMETERS	VALUE
NO. OF CHARACTER LINES	00003
NO. OF CHARACTERS/LINE	00009
NO. OF CONTROLS	00003
WEIGHT (LBS)	00003
HEIGHT (IN)	00003
WIDTH (IN)	00006
DEPTH (IN)	00006
POWER CONSUMPTION (W)	4.5E1

COMPLEXITY	
TOTAL NUMBER OF PARTS	00300
NUMBER OF ACTIVE ELEMENTS	00116

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00018
HYBRID ICS	00001
LINEAR/INTERFACE ICS	00004
SSI/MSI DIGITAL ICS	00091
LSI/MEMORY ICS	00002
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

435
GUIDANCE/NAVIGATION
I/O DEVICE
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
ALPHANUMERIC
DISPLAY

MAJOR PARAMETERS	VALUE
NO. OF CHARACTER LINES	00002
NO. OF CHARACTERS/LINE	00004
NO. OF CONTROLS	00002
WEIGHT (LBS)	00001
HEIGHT (IN)	00002
WIDTH (IN)	00002
DEPTH (IN)	00008
POWER CONSUMPTION (W)	8.5E0

COMPLEXITY	
TOTAL NUMBER OF PARTS	00088
NUMBER OF ACTIVE ELEMENTS	00023

ACTIVE ELEMENT COUNT	
TUBES	00000
DISCRETE SEMICONDUCTORS	00011
HYBRID ICS	00001
LINEAR/INTERFACE ICS	00002
SSI/MSI DIGITAL ICS	00009
LSI/MEMORY ICS	00000
MICROPROCESSORS	00000

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

436
GUIDANCE/NAVIGATION
INERTIAL REFERENCE
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
LORAN OR OMEGA

TECHNOLOGY
INERTIAL
GIMBALED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00022
HEIGHT (IN)	00007
WIDTH (IN)	00008
DEPTH (IN)	00013
POWER CONSUMPTION (W)	2.2E1

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

437
GUIDANCE/NAVIGATION
SIGNAL/DATA PROCESSOR
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
LORAN OR OMEGA
GEOGRAPHIC POSITION

TECHNOLOGY
INERTIAL
DEAD RECKONING
RADIO
GIMBALED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00013
NO. OF MODULES	00008
HEIGHT (IN)	00006
WIDTH (IN)	00009
DEPTH (IN)	00007
POWER CONSUMPTION (W)	7.0E7

TYPE OF COOLING
FORCED AIR

EQUIPMENT ID
EQUIPMENT CATEGORY
EQUIPMENT TYPE
DESIGN YEAR
APPLICATION
MISSION LENGTH

438
GUIDANCE/NAVIGATION
POWER SUPPLY
73
AIRCRAFT
1 TO 8 HRS.

DESIGN APPROACH
LORAN OR OMEGA
GEOGRAPHIC POSITION

TECHNOLOGY
INERTIAL
DEAD RECKONING
RADIO
GIMBALED

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00018
HEIGHT (IN)	00007
WIDTH (IN)	00008
DEPTH (IN)	00008
POWER CONSUMPTION (W)	1.1E1

TYPE OF COOLING
FORCED AIR

EQUIPMENT ID	439
EQUIPMENT CATEGORY	GUIDANCE/NAVIGATION
EQUIPMENT TYPE	RECEIVER
DESIGN YEAR	73
APPLICATION	AIRCRAFT
MISSION LENGTH	1 TO 8 HRS.

DESIGN APPROACH
LORAN OR OMEGA
GEOGRAPHIC POSITION

TECHNOLOGY
INEPTIAL
DEAD RECKONING
RADIO
GIMBALFD

MAJOR PARAMETERS	VALUE
WEIGHT (LBS)	00013
NO. OF MODULES	00012
HEIGHT (IN)	00008
WIDTH (IN)	00004
DEPTH (IN)	00013
POWER CONSUMPTION (W)	1.1E1

APPENDIX

ADDITIONAL RAC SERVICES

ADDITIONAL RAC SERVICES

Search Services

Retrospective Searches are conducted at a flat fee of \$125 per search. If no references are identified, a \$50 service charge will be made in lieu of the above. For best results, please call or write for assistance in formulating your search question. An extra charge, based on engineering time and costs, will be made for evaluating, extracting or summarizing information from the cited references.

Consulting Services

Consulting Service fees are determined by the costs incurred in the conduct of the designated work, including staff time and overhead, materials and other expenses. Work will be initiated upon receipt of a signed purchase order. We will be pleased to prepare firm cost proposals.

Full Service Participating Plans

Two plans are offered to both government and industry:

Participating Member (PM).	\$1,540
Participating Associate (PA).	340

Services provided to a Participant in either plan are:

- . Automatic receipt of one (1) copy of each RAC microcircuit and semiconductor device data-book issued over twelve months at a savings of \$70.
- . Availability of additional copies of each of the above databooks at 20% off list price.
- . Discount on registration fees for RAC sponsored training courses, seminars, workshops, etc.

In addition, the Participating Member may access RAC resources as needed without issuing purchase orders. Up to 50 man-hours of professional consultation are authorized.

Blanket Purchase Order

The Blanket Purchase Order option enables you to write a single Purchase Order for a stipulated maximum dollar amount (depending on your needs) and active time duration (a one-year period is suggested), but you pay only for services rendered or documents purchased.

Military Agencies: Blanket Purchase Agreement, DD Form 1155, may be useful for ordering RAC reports and/or services. Please stipulate maximum dollar amount authorized and cutoff date on your order. Also specify services (e.g., publications, search services, etc.) to be provided. Identify vendor as IIT Research Institute (Reliability Analysis Center).

Ordering Information

Place orders or obtain additional information directly from the Reliability Analysis Center. Clearly specify the publications and services desired. Except for blanket purchase orders, prepayment is required. All foreign orders must be accompanied by a check drawn on a U.S. bank. Please make checks payable to IITRI/RAC.

SERVICE FEE SCHEDULE AND ORDERING INFORMATION

			Price Per Copy	
Component Reliability Databooks			Domestic	Foreign
()	MDR-11	Linear/Interface Data		
()	MDR-12	Digital Failure Rate Data		
()	MDR-13	Memory/LSI Data		
()	MDR-14	Hybrid Circuit Data		
()	MDR-15	Digital Evaluation and Generic Failure Analysis Data - Vols. I and II		
()	OSR-3	Transistor/Diode Data		
()	NPRD-1	Nonelectronic Parts Reliability Data		
Equipment Databooks				
()	EERD-1	Electronic Equipment Reliability Data		
()	EEMD-1	Electronic Equipment Maintainability Data		
RAC Design Handbook				
()	RDH-376	Reliability Design Handbook		
Technical Reliability Studies				
()	TRS-1	Microcircuit Screening Effectiveness		
()	TRS-2	Search and Retrieval Index to IRPS Proceedings—1968 to 1978		
()	TRS-3	EOS/ESD Technology Abstracts		
()	TM 72-1	Microcircuit Wire Bond Reliability		
Symposium Proceedings				
()	EOS-1	Electrical Overstress/Electrostatic Discharge 1979 Symposium Proceedings		

- * For air mail shipment to points outside North and Central America, add \$7.50 per item
 ** For air mail shipment to points outside North and Central America, add \$12.50 per item

Quantity Purchase Discounts - Discounts applicable to publications (for multiple copies of a single title ordered at one time) are:

Quantity	Discount	Quantity	Discount
1-2	list	10-19	33-1/3% off list
3-6	15% off list	20-49	45% off list
6-9	20% off list	50-99	60% off list
		100 or more	negotiable

ORDER FORM

Enclosed find \$ _____

Send order and check to:

Reliability Analysis Center
 RADC/RBRAC
 Griffiss AFB, NY 13441

Phone: 315/330-4151 Autovon: 587-4151

Please send me the documents checked above.

Name/Title _____

Organization _____

Address _____

City/State _____ Zip _____

PREPAYMENT OF ORDERS IS REQUIRED. Please make checks payable to IITRI/RAC. Foreign orders must be accompanied by check drawn on a U.S. bank.

The Reliability Analysis Center is a DoD Information Analysis Center operated by IIT Research Institute, Chicago, IL

REPORT DOCUMENTATION PAGE	1. REPORT NO. EEMD-1	2.	3. Recipient's Accession No.
4. Title and Subtitle Electronic Equipment Maintainability Data		5. Report Date Fall 1980	
7. Author(s) Norman B. Fuqua		6.	
9. Performing Organization Name and Address Reliability Analysis Center (RBRAC) Rome Air Development Center Griffiss Air Force Base, NY 13441		8. Performing Organization Rept. No.	
12. Sponsoring Organization Name and Address Rome Air Development Center Griffiss Air Force Base, NY 13441		10. Project/Task/Work Unit No.	
		11. Contract(C) or Grant(G) No. (C) F30602-78-C-0281 (G)	
		13. Type of Report & Period Covered N/A	
15. Supplementary Notes This is one of a series of electronic equipment reliability/maintainability publications.		14.	
16. Abstract (Limit: 200 words) This equipment level maintainability compendium provides maintenance and repair time data on military electronic equipments at the subsystem, set, group and unit levels. Due to the possible sensitivity of the numerics presented in the publication, the identification of the equipment has been masked. Each equipment has been assigned a unique Equipment Identification number (EQUIP ID) and it is used consistently throughout the publication. Section 1 lists the definition of terms and the statistical methods used in the data analysis. Section 2 presents summarizations of the detailed maintainability data presented in Sections 3-4. Sections 3 and 4 present detailed listings of maintainability data in two different ways. In Section 3 the data are sorted by Category, Equip-ID and Data Type. This grouping permits the reader to trace an equipment's maintainability characteristics through its life cycle. In Section 4 the data are sorted by Category, Data Type and Equip ID. This grouping allows the reader to make comparisons between equipments at various points in their life cycle. Section 5 is a detailed listing of program and contract related data. Section 6 presents technical characterization data on the equipment.			
17. Document Analysis a. Descriptors Maintainability MTTR Maintenance Time Demonstration Testing Built-in-Test Repair Time b. Identifiers/Open-Ended Terms Electronic Equipment Maintainability Data Compendium c. COSATI Field/Group			
18. Availability Statement Approved for Public Release; Distribution unlimited. Available from RAC and NTIS.		19. Security Class (This Report) Unclassified	21. No. of Pages 350
		20. Security Class (This Page) Unclassified	22. Price \$60.00

(See ANSI-Z39.18)

See Instructions on Reverse

OPTIONAL FORM 272 (4-77)
(Formerly NTIS-35)
Department of Commerce